

# PRODUCT CATALOGUE



SMOOTH BY NATURE





SATYN is a premium brand of construction chemicals manufactured by Zakład Surowców Chemicznych i Mineralnych "Piotrowice II" Sp. z o.o. of Tarnobrzeg. The line includes ca. 30 products based on chalk, dolomite, gypsum, cement and silica sand, designed for finishing internal and external building walls. SATYN products are excellent for finishing modern or even avant-garde interiors. On the other hand, they help revive the splendour of historical stuccos, column capitals and decorative friezes with a precision reminiscent of old masters' craftsmanship. SATYN's high quality and stable technical parameters have earned universal renown among clients, as well as numerous widely-recognized quality certificates.

We are open to cooperation with Trading Companies, Contractors and individual Clients seeking top quality materials.



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### Disclaimer:

- The manufacturer accepts no liability if the product is used otherwise than in accordance with its intended use or if the instructions on the packaging are not followed.
- Detailed product specifications as well as health and safety instructions are set out in documents available on [www.satyn.pl](http://www.satyn.pl) and on product packaging.

# FINISH COATS

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## APPLICATION

Satyn PG-40 Economic Skim Coat is designed for coating internal walls and ceilings. It can be used over plaster coatings, cement plasters, cement-lime plasters, gypsum plasters, gypsum boards as well as in interiors unexposed to moisture. After drying, it can be coated with paints for mineral substrates.

## PROPERTIES

Satyn PG-40 Economic Skim Coat is a factory-made dry mixture designed for finishing, decorating and renovation works. Mixed with water, it forms plastic mass characterised by strong adhesion to the substrate, at the same time being easy to spread and smooth. It will not shrink when setting. Satyn PG-40 Economic Skim Coat is a "green", environmentally friendly solution.

## BACKGROUND PREPARATION

Before application of the finish coat, the background must be properly cured, stable, strong, clean, dry, free from contaminants and layers that are loosely bound to the background or that may weaken the bond (grease, adhesives, bitumen, dust, anti-adhesive agents, old paint and mortar residues, etc.). Backgrounds characterised by strong or medium absorbency should be primed with a suitable agent, e.g. Satyn PP-80 Priming Emulsion. It is recommended to secure elements made of corrosive materials (e.g. steel) using dedicated anti-corrosion agents.

## Skim Coat

### SATYN PG-40 Economic

for finishing, decorating and renovation works

## APPLICATION INSTRUCTIONS

Add a suitable amount of clean, cool water to Satyn PG-40 Economic Finish Coat (0.42-0.45 l per 1 kg of dry product) and mix with a mechanical whisk at slow speed until lumps disperse and the right consistency is achieved. Wait 5 minutes and mix again for a short while. For hand mixing, the time should be ca. 2-3 minutes. Each time prepare a portion that can be used within 1 hour. Apply finish coat to the background using tools made of stainless materials. The surface can be coated again or sanded with sandpaper or mesh sanding sheets. The final layer can be applied after 24 hours. Ambient temperature as well as product and background temperature should range between +5°C and +30°C. Use water for cleaning containers and tools.

**COMPOSITION:** Synthetic gypsum, mineral fillers, modifiers.

**SHELF LIFE:** 12 months from date of manufacture, in a dry place at a temperature between +5°C and +25°C, in the originally sealed packaging.

**COMPLIANCE WITH RELEVANT STANDARDS:** The product complies with the requirements of EN13279-1: 2009 "Gypsum binders and gypsum plasters" and has been classified as Type B2/20/2 Hand-applied Gypsum Plaster for indoor use.

**PACKAGING:** 20 kg bags.



## PG-40 TECHNICAL PARAMETERS

Mix ratio [l/kg]	0.42-0.45 l water per 1 kg product
Workable life [min]	ca. 60
Maximum layer thickness [mm]	5
Approx. coverage at 1 mm layer [kg/m²]	1,0



## White Skim Coat SATYN PG-41 Ultrapolymer

for ideally smooth wall and ceiling surfaces

### APPLICATION

SATYN PG-41 Ultrapolymer Skim Coat is designed for applying thin coatings on internal walls and ceilings in order to obtain smooth surfaces. After drying, the finish coat can be wallpapered or coated with paints for mineral substrates. When finished, the surface is smooth and white, which helps reduce painting time and costs.

### PROPERTIES

SATYN PG-41 Ultrapolymer is a dry mixture of natural gypsum binder and mineral fillers, modified with top quality additives. Mixed with water, it forms slow-setting plastic mass characterised by optimum adhesion and is easy to use. Composed of specially-selected binders and mineral fillers, it is an environmentally-friendly product.

### BACKGROUND PREPARATION

Check background quality – it should be sound, stable, even, dry, free from contaminants affecting adhesion, e.g. dust, oils, grease, etc. Smooth surfaces should be sanded with sandpaper. Highly absorbent backgrounds should be primed and left to dry. Use SATYN PP-80 Priming Emulsion for priming. For large gap-filling we recommend using SATYN PW-01 Patching Plaster. SATYN PG-41 Ultrapolymer can be applied indoors to all mineral and gypsum surfaces, as well as for patching gypsum boards.

### APPLICATION INSTRUCTIONS

Add product to cold water (0.42 - 0.45 l water per 1 kg of dry product) and mix with a mechanical whisk at slow speed until lumps disperse and the right consistency is achieved. Wait 5 minutes and mix again for a short while. Each time prepare a portion that can be used within 1 hour. Apply the mass to the background using tools made of stainless materials. Hardening product must not be mixed with water or fresh material. After drying/hardening, remove minor irregularities with sandpaper, mesh sanding sheets or automatic sander. Up to two layers can be applied, 5 mm each.



**COMPOSITION:** Mixture of natural gypsum binder, mineral filler and modifiers.

**SHELF LIFE:** 12 months from date of manufacture, in a dry place, in the originally sealed packaging.

**COMPLIANCE WITH RELEVANT STANDARDS:** The product complies with the requirements of EN13279-1: 2009 "Gypsum binders and gypsum plasters" and has been classified as Type B2/20/2 Hand-applied Gypsum Plaster for indoor use. Certified by the National Institute of Hygiene.

**PACKAGING:** 20 kg, 10 kg, 4 kg, 2 kg bags.



### PG-41 TECHNICAL PARAMETERS

Mix ratio [l/kg]	0.42-0.45 l water per 1 kg product
Workable life [min]	≤ 60
Application temperature [°C]	+5 to +30
Maximum layer thickness [mm]	5
Approx. coverage at 1 mm layer [kg/m²]	1,0



# FINISH COATS

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## APPLICATION

Apply the product in no more than two thin layers (up to 2 mm each) to achieve an ideally smooth surface. Thanks to optimum product quality, the second layer of PM-61 can be applied 25-40 minutes after the application of the first layer. Optimised parameters prevent the base coat from peeling and rolling. This technique enables faster completion of finishing works, while the high level of whiteness allows to reduce the number of paint layers, at the same time decreasing paint consumption.

## PROPERTIES

SATYN PM-61 White Skim Coat is a dry mixture of natural gypsum and mineral fillers, modified with top quality polymers. Mixed with water, it forms slow-binding plastic mass characterised by optimum adhesion and easy use. Advantages of this product include the possibility of 'wet-on-wet' application without deterioration of final properties. After drying and sanding, extremely smooth surfaces are obtained, which can be painted and wallpapered afterwards.

## BACKGROUND PREPARATION

Check background quality - it should be sound, stable, even, dry, free from contaminants affecting adhesion, e.g. dust, oils, grease, etc. Highly absorbent backgrounds characterised by uneven absorbency should be primed and left to dry. Use SATYN PP-80 Priming Emulsion for priming. For large gap filling, initial levelling and preparation of mineral backgrounds, we recommend using Start SATYN PW-01 Patching Plaster or SATYN PSZ-11 Universal Levelling Mortar. SATYN PM-61 Skim Coat can be applied indoors to all mineral and gypsum surfaces as well as gypsum boards.

## APPLICATION INSTRUCTIONS

Add the SATYN PM-61 to cold water (0.66 l water per 1 kg of dry product) and mix with a mechanical whisk at slow speed until lumps disperse and the right consistency is achieved. Wait 10 minutes and mix again for a short while. Each time prepare a portion that can be used within 1 hour. During mixing, make sure to use clean containers and tools. Apply SATYN PM-61 to the surface with a finishing trowel made of stainless materials, pressing firmly. This way a smooth and uniform layer will be produced, with optimum

## Finish Skim Coat SATYN PM-61

for unparalleled quality of final coatings

adhesion to the substrate. After drying, remove minor irregularities or apply the second layer of PM-61, if necessary. Surface defects can be gently sanded down with sandpaper. The second layer of SATYN PM-61 can be applied after just 25 minutes, but not later than 40 minutes from the application of the first layer. If the above time framework is not strictly complied with, wait until the first layer is completely dry before applying the second one.

## COMPOSITION:

Mixture of high quality natural gypsum and mineral fillers modified with polymers.

## SHELF LIFE:

12 months from date of manufacture, in a dry place, in the originally sealed packaging.

## APPLICATION TEMPERATURE:

Ambient temperature as well as product and background temperature should range between +5°C and +25°C.

## COMPLIANCE WITH RELEVANT STANDARDS:

The product complies with the requirements of EN 13279-1: 2009 "Gypsum binders and gypsum plasters" and has been classified as Type B2/20/2 Hand-applied Gypsum Plaster for indoor use. Certified by the National Institute of Hygiene.

## PACKAGING:

25 kg, 10 kg, 2 kg bags.



## PM-61 TECHNICAL PARAMETERS

Mix ratio [l/kg]	0.66 l water per 1 kg of dry powder
Curing time [min]	10 minutes
Workable life [h]	ca. 1 hour
Approx. coverage at 1mm layer [kg/m²]	1,0



## Acrylic Finish Coat

### SATYN PMA-51

read-to-use compound for final smoothing of wall surfaces

#### APPLICATION

SATYN PMA-51 Acrylic Finish Coat can be used for smoothing over small gaps and irregularities on plaster surfaces, and for large-surface patching of gypsum boards after pointing with a dedicated compound. The product is especially recommended for final smooth finishing of rough walls. Do not use on surfaces exposed to direct contact with water. SATYN PMA-51 can be applied manually or using airless sprayers.

#### PROPERTIES

SATYN PMA-51 Acrylic Finish Coat is a top-quality eco-friendly product characterized by excellent adhesion, ensuring smooth, white (after drying), vapour-permeable surfaces. In its commercial form it is suitable for indoor use. Its consistency does not change during use, making the product workable for a long time. Unused, tightly sealed compound remains suitable for use, but reasonably fast usage is recommended in general. The product is characterised by short drying time and good sandability with sandpaper or mesh sanding sheets.

#### BACKGROUND PREPARATION

The background must be stable, strong, clean, dry, free from contaminants and layers that are loosely bound to the background or that may weaken adhesion (grease, adhesives, bitumen, dust, anti-adhesive agents, old paint and mortar residues, etc.). The product can be used as a final coating on cement-lime substrates, concrete, gypsum, gypsum boards, cellular concrete, etc. Backgrounds characterised by strong or uneven absorbance should be primed with a suitable agent and left to dry. Use SATYN PP-80 Priming Emulsion for priming. In the event of microbial presence on patched surfaces, use a biocidal agent and clean the surface thoroughly. For large gap filling we recommend using Start SATYN PW-01 Patching Plaster.

#### APPLICATION INSTRUCTIONS

Apply at product and background temperature ranging between +5°C and +25°C. Directly before use, mix thoroughly with a mechanical whisk (mixing paddle) at slow speed until the right consistency is achieved, preventing



excessive air entrainment. If necessary, add a little water (max. 2% of the mass volume). Apply the compound with stainless steel tools or using an airless sprayer. A single coat thickness may be up to 1 mm. In the case of major irregularities on the surface, apply another coat after the first one sets. Smoothing and sanding is possible after the surface has dried completely. Before painting, clean patched surfaces and apply priming agent. After finishing work, wash the tools with water.

#### COMPOSITION:

Styrene-acrylic dispersion, fillers, modifiers.

#### SHELF LIFE:

12 months from date of manufacture, in a dry place, in an undamaged container.

#### COMPLIANCE WITH RELEVANT STANDARDS:

Compliant with EN 13963 "Jointing materials for gypsum plasterboards", Type 2A "Finishing-patching compound". Certified by the National Institute of Hygiene.

#### PACKAGING:

17 kg, 5 kg, 1.5 kg buckets.



#### PMA-51 TECHNICAL PARAMETERS

Adhesion (gypsum boards, concrete, ceramics, cellular concrete) [N/mm²]	> 0,25
Cracking	none
No large particles 315 µm [%]	0,0
No large particles 200 µm [%]	< 1,0
Maximum layer thickness [mm]	1
Approx. coverage at 1 mm layer	1,8

# FINISH COATS

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## APPLICATION

SATYN PMA-50 Economic Acrylic Finish Coat can be used for levelling minor defects and irregularities on plaster surfaces, as well as for thin-layer large-surface patching of gypsum boards after pointing with a dedicated compound. The product is especially recommended for final smooth finishing of rough walls. Do not use on surfaces exposed to direct contact with water. SATYN PMA-50 ECONOMIC can be applied manually or using airless sprayers.

## PROPERTIES

SATYN PMA-50 Economic Acrylic Finish Coat is a top-quality eco-friendly product characterized by excellent adhesion, ensuring smooth, white (after drying), vapour-permeable surfaces. In its commercial form it can be applied indoors as a final coating. It is an ideally plastic mass, easy to spread using stainless steel tools. Its consistency does not change during use, making the product workable for a long time. Unused, tightly sealed compound remains suitable for use, but reasonably fast usage is recommended in general. The product is characterised by short drying time. Its unique recipe helps improve sandability without clogging sandpaper, at the same time maintaining high performance of the coating.

## BACKGROUND PREPARATION

The background must be stable, strong, clean, dry, free from contaminants and layers that are loosely bound to the background or that may weaken the bond (grease, adhesives, bitumen, dust, anti-adhesive agents, old paint and mortar residues, etc.). The product can be used indoors as a final coating on mineral substrates, i.e. cement-lime, concrete, gypsum, gypsum boards, cellular concrete, etc. Backgrounds characterised by strong or uneven absorbance should be primed with a suitable agent and left to dry. Use SATYN PP-80 Priming Emulsion for priming. In the event of microbial

## Acrylic Finish Coat SATYN PMA-50 Ekonomik

read-to-use compound for final smoothing of wall surfaces

presence on patched surfaces, use a biocidal agent and clean the surface thoroughly. For large gap filling we recommend using SATYN PW-01 Patching Plaster.

## APPLICATION INSTRUCTIONS

Directly before use, mix thoroughly with a mechanical whisk (mixing paddle) at slow speed until the right consistency is achieved, preventing excessive air entrainment. If necessary, add a little water (max. 2% of the mass volume). Apply the compound with stainless steel tools or using an airless sprayer. A single coat thickness may be up to 1 mm. In the case of major irregularities on the surface, apply another coat after the first one sets (after ca. 2-12 hours, depending on weather conditions and coat thickness). Smoothing and sanding is possible after the surface has dried completely. Before painting, clean patched surfaces and apply SATYN PP-80 Priming Emulsion. After finishing work, wash the tools with water. Finished surface can be coated with any type of paint.

**COMPOSITION:** Water-dispersed acrylic resin, fillers, modifiers.

**SHELF LIFE:** 12 months from date of manufacture, in a dry place, in an undamaged container.

**APPLICATION TEMPERATURE:** Ambient temperature as well as product and background temperature should range between +5°C and +25°C.

## COMPLIANCE WITH RELEVANT STANDARDS:

Compliant with EN 13963 "Jointing materials for gypsum plasterboards", Type 2A "Finishing-patching compound". Certified by the National Institute of Hygiene.

**PACKAGING:** 30 kg buckets.



PMA-50 TECHNICAL PARAMETERS	
Adhesion (gypsum board) [N/mm <sup>2</sup> ]	> 0,25
Cracking	none
No large particles 315 µm [%]	0,0
No large particles 200 µm [%]	< 1,0
Maximum layer thickness [mm]	1
Approx. coverage at 1mm layer [kg/m <sup>2</sup> ]	1,9





## Spray Finish Coat SATYN PGN-31

for extremely smooth wall and ceiling surfaces

### APPLICATION

SATYN PGN-31 Spray Finish Coat is designed for applying thin coats on internal walls and ceilings – manually or using airless sprayers – in order to obtain extremely smooth surfaces. After drying, the surface can be wallpapered or coated with paints for mineral substrates. The unique whiteness of finished coating allows to reduce the number of paint layers without compromising colour richness.

### PROPERTIES

SATYN PGN-31 Spray Finish Coat is a ready-to-use mixture modified with top-quality additives improving plasticity and ensuring ease of use. Mixed with water, it forms slow-binding plastic mass characterised by exceptionally long setting time and excellent adhesion. In terms of application properties, after mixing with water SATYN PGN-31 Spray Finish Coat is similar to ready-to-use compounds, offering extended workable life. Prepared mass can be stored in a sealed container for up to 24 hours, or even up to 48 hours in favourable conditions. This helps save time on cleaning spraying equipment, and allows to prepare a desired quantity of ready compound for a given works site. A final PGN-31 coating is strong, durable and easy to process. It does not shrink when setting. It is a completely "green", environmentally-friendly solution.

### BACKGROUND PREPARATION

The background must be stable, strong, clean, dry, free from contaminants and layers that are loosely bound to the background or that may affect adhesion (grease, adhesives, bitumen, dust, anti-adhesive agents, old paint and mortar residues, etc.). Application of SATYN PP-80 Priming Emulsion is recommended for backgrounds characterised by strong and uneven absorbency. For filling gaps and irregularities we recommend using SATYN PW-01 Patching Plaster. SATYN PGN-31 Spray Finish Coat can be applied indoors to all mineral and gypsum surfaces, also for patching gypsum boards.

### APPLICATION INSTRUCTIONS

Ambient temperature as well as product and background temperature should range between +5°C and +25°C. In rooms with high humidity and low temperature levels – and in the case of fresh cement or cement-lime plasters – the surface setting time may be extended.

Product preparation: add dry mixture to a container with a properly measured quantity of clean cold water; mix continuously with a mechanical



whisk at slow speed until lumps disperse and the right consistency is achieved. Mix ratio: ca. 0.37-0.39 l water per 1 kg dry mixture for hand application, and 0.40-0.43 l/kg water for spray application (depending on equipment and spraying method). Wait 5 minutes and mix again for a short while. Pour the prepared product to the unit and spray onto the surface from a distance of ca. 1 m. Remember to select an appropriate nozzle. After application on the surface, smooth out the material using stainless steel tools. After drying, remove minor irregularities with sandpaper, mesh sanding sheets or automatic sander. Another layer can be applied after 24 hours. After completing the work, clean the tools and the sprayer thoroughly, in accordance with manufacturer's recommendations. No more than two layers can be applied, up to 3 mm each.

**COMPOSITION:** Natural gypsum binder, mineral fillers, modifiers.

**SHELF LIFE:** 12 months from date of manufacture, in a dry place, in the originally sealed packaging.

**COMPLIANCE WITH RELEVANT STANDARDS:** Compliant with EN 13279-1: 2007 "Gypsum binders and gypsum plasters" B2/50/2. Certified by the National Institute of Hygiene.

**PACKAGING:** 25 kg bags.



### PGN-31 TECHNICAL PARAMETERS

Mix ratio per 1 kg product for manual application [ml/g]	370-390/1000
Mix ratio per 1 kg product for machine application [ml/g]	400-430/1000
Bending strength [N/mm <sup>2</sup> ]	> 1
Compression strength [N/mm <sup>2</sup> ]	> 2
Adhesion to substrate [N/mm <sup>2</sup> ]	> 0,1
Initial setting [min]	>50
Workable life after mixing with water (in a sealed container) [hours]	24
Reaction to fire [Class]	A1
Application temperature [°C]	5 - 25
Maximum layer thickness [mm]	3
Approx. coverage at 1mm mm layer [kg/m <sup>2</sup> ]	1,0

# FINISH COATS

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## APPLICATION

SATYN PCZ-13 White Cement Finish Coat is designed for thin-layer smoothing and finishing of internal and external building walls. It is recommended both as a final coating or a base coat for paints. The product is suitable for manual and machine coating of internal and external walls, also in rooms with a relatively high humidity (bathrooms, shower rooms, saunas, etc.).

## PROPERTIES

SATYN PCZ-13 White Cement Finish Coat is a factory-made dry mixture containing fillers and modifying additives ensuring proper plasticity as well as easy application and processing. Due to the high quality of fillers, the product is characterised by excellent whiteness, which allows to reduce the number of paint layers without compromising colour richness. Ready material offers optimum plasticity and workability, ensuring fast application (using stainless steel tools) and smooth surfaces. After hardening, it provides a flexible, water-resistant, frost-resistant, vapour-permeable coating with increased resistance to mechanical damage. Perfectly smooth surfaces can be obtained without much effort and without the sanding dust typical of gypsum finish coats. Compared with conventional cement-based finishing materials, SATYN PCZ-13 Finish Coat offers superb yield.

## BACKGROUND PREPARATION

The background must be stable, strong, clean, dry, free from contaminants and layers that are loosely bound to the background or that may weaken the bond (grease, adhesives, bitumen, dust, anti-adhesive agents, old paint and mortar residues, etc.). Backgrounds characterised by strong or uneven absorbance should be primed with a dedicated agent such as SATYN PP-80 Priming Emulsion. Major irregularities can be smoothed out with a levelling mortar or SATYN PCZ-15 mortar.

## White Cement Finish Coat

### SATYN PCZ-13

for final smoothing and finishing of thin-coated walls

## APPLICATION INSTRUCTIONS

Add dry mixture to clean cold water (ca. 0.35 l per 1 kg product) and mix with a mechanical whisk at slow speed until lumps disperse and the right consistency is achieved. Wait 5 minutes and mix again for a short while. After mixing the first batch, check consistency. Adjust the quantity of added water, if necessary. Note down the mix ratio in order to prepare the next product batches in the same way. For gap filling, the consistency should be thicker than for finish trowelling. Hardening product must not be mixed with water or fresh material. Apply finish coat using stainless steel trowel. All repair works must be conducted in dry weather, avoiding excessive sunlight and windy conditions. If the works must be held in unfavourable conditions, proper shields or covers should be used to reduce atmospheric impact. Recommended maximum coating thickness is up to 3 mm. Another layer can be applied after at least 6 hours. Wash the tools with water immediately after use.

**COMPOSITION:** White cement, lime, mineral fillers, modifiers.

**SHELF LIFE:** 12 months from date of manufacture, in a dry place, in the originally sealed packaging.

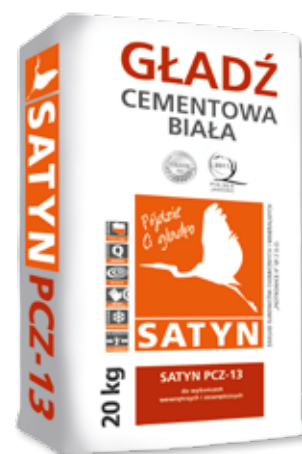
**COMPLIANCE WITH RELEVANT STANDARDS:** The product is compliant with EN 998-1 "Specification for mortar for masonry" – part 1 - One Coat (OC) rendering mortar. Certified by the National Institute of Hygiene.

**PACKAGING:** 20 kg bags.



## PCZ-13 TECHNICAL PARAMETERS

Mix ratio [l/kg]	ca. 0.30 – 0.35 l water per 1 kg product
Curing time [min]	ca. 5
Workable life [min]	up to 60
Temperature of air, substrate and material [°C]	+ 5 to +30
Coating thickness	up to 2-3 mm per layer
Application of another layer	after ca. 6 hours
Approx. coverage at 1 mm layer [kg/m <sup>2</sup> ]	ca. 0,8



## Acrylic Plaster SATYN PTA-36

for protective and decorative thin-coat plasters in thermal insulation systems

### APPLICATION

Designed for manual preparation of protective and decorative thin-coat plasters in finishing layers in the SATYN thermal insulation systems. Prior to application of plaster mix, the background should be primed with SATYN PP-85. The product may be applied on dry (28 days) mineral substrates indoors and outdoors, as well as on gypsum plasters.

### PROPERTIES

- High resistance to adverse weather conditions;
- High resistance to mechanical damage;
- Wide colour range;
- Wide selection of finish textures and grain sizes;
- Easy application and texture pressing;
- Additional protection against growth of algae and fungi.

### BACKGROUND PREPARATION

The background must be stable, strong, dry, free of impurities and layers insufficiently bonded to the background, or layers that may adversely affect bonding. Remove any loose layers not bound to the background (e.g. loose plaster layers or scaling paint coats). Fill and smooth out gaps and irregularities, as they will deteriorate final plaster coat aesthetics. Before using the product in a thermal insulation system, execute the base coat in accordance with the method for providing jointless external building insulation. The acrylic plaster mix may be applied to surfaces treated with SATYN PP-85 priming agent (pre-coloured to match plaster colour) only after the reinforced layer has dried out completely, which normally takes place after 3-4 days. Bonding time of PP-85 in optimum weather conditions (temperature of +20°C and relative air humidity of 55%) is ca. 24 hours. After the primer applied to the background has dried completely, proceed with plaster application.

### APPLICATION INSTRUCTIONS

Directly before use, mix thoroughly with a mechanical whisk (mixing paddle) at slow speed until the right consistency is achieved, preventing excessive air entrainment. It is recommended to check the colour by applying the mix onto a piece of cardboard; wait until it dries out completely and compare it with a swatchbook and with the order. Apply plaster with a stainless steel trowel onto the substrate in a thin, even layer with a thickness equal to grain size. Execute plaster texture by circular movements or linear (vertical or horizontal) movements, using a plastic trowel. Bonding (hardening) time of the plaster mix applied to the substrate (at +20°C and relative air humidity of 55%) is ca. 6 hours, whereas full curing of the applied layer takes ca. 48



hours. Low air temperature and high air humidity may extend the curing period even up to several days. In order to avoid differences in colour, it is necessary to prepare a surface that forms a separate architectural section in a single work cycle, with a single product batch. Wash the tools with water immediately after finishing work. Application and bonding of the plaster mix should be conducted in dry weather, at air temperature ranging between +5°C and +25°C. Avoid working on surfaces exposed to direct sunlight or strong winds. In order to secure unbonded layer against adverse weather conditions, using safety netting is recommended.

**COMPOSITION:** Basic bonding agent: acrylic resin; Pigments: resistant to weather conditions; Colours: natural white and colours from the SATYN swatchbook as well as colours selected according to supplied specimens; Textures: dashed, pitted; Grain sizes: 1.5 mm; 2.0 mm.

**SHELF LIFE:** Protect against frost. After work, seal the container tightly and try to use the remaining product as soon as possible. Product life in the factory-sealed packaging is 12 months from date of manufacture (on the packaging), in a cool place with temperature above 5°C.

**COMPLIANCE WITH RELEVANT STANDARDS:** Product compliant with the standard EN 15824: 2009 "Specifications for external renders and internal plasters based on organic binders". Certified by the National Institute of Hygiene.

**PACKAGING:** 25 kg buckets.



### TECHNICAL PARAMETERS PTA-36, AVERAGE COVERAGE::

TEXTURE	GRAIN SIZE [mm]	COVERAGE [(kg/m²)]
DASHED	1,5	2,3
DASHED	2,0	3,4
DASHED	1,5	1,7
DASHED	2,0	2,5

# PLASTERS

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## APPLICATION

Designed for manual preparation of protective and decorative thin-coat plasters in finishing layers in the SATYN thermal insulation systems. Prior to application of plaster mix, the background should be primed with SATYN PP-84.

## PROPERTIES

- Mineral character of the plaster coat;
- Low-alkaline product (pH 8-9.5);
- Exceptional resistance to adverse weather conditions;
- Easy application on mineral substrates;
- High vapour permeability;
- Long-lasting resistance to dirt;
- Low surface absorption.

## BACKGROUND PREPARATION

The background must be stable, strong, dry, free of impurities and layers insufficiently bound to the background, or layers that may adversely affect bonding. Remove any loose layers not bound to the background (e.g. loose plaster layers or scaling paint coats). Fill and smooth out gaps and irregularities, as they will deteriorate final plaster coat aesthetics. Before using the product in a thermal insulation system, execute the base coat in accordance with the method for providing jointless external building insulation. The polysilicate plaster mix may be applied to surfaces treated with SATYN PP-84 priming agent (pre-coloured to match plaster colour) only after the reinforced layer has dried out completely, which normally takes place after 3-4 days. Bonding time of PP-84 in optimum weather conditions (temperature of +20°C and relative air humidity of 55%) is ca. 24 hours. After the primer applied to the background has dried completely, proceed with plaster application.

## Silicate Plaster

### SATYN PTS-46

for protective and decorative thin-coat plasters in thermal insulation systems

## APPLICATION INSTRUCTIONS

Directly before use, mix thoroughly with a mechanical whisk (mixing paddle) at slow speed until uniform consistency is achieved. Further mixing is not recommended as it may lead to excessive air entrainment. The packaging contains ready-to-use product. It is recommended to check the colour by applying the mix onto a piece of cardboard; wait until it dries out completely and compare it with a swatchbook and with the order. Apply the product with a stainless steel trowel onto the substrate in a thin, even layer with a thickness equal to grain size. Next, press the texture of the plaster using a plastic trowel. Bonding (hardening) time of the plaster mix applied to the substrate (at +20°C and relative air humidity of 55%) is ca. 6 hours, whereas full curing of the applied layer takes ca. 24 hours. Low air temperature and high air humidity may extend the curing period even up to several days. Secure the freshly applied plaster mix against adverse weather conditions until it has become fully bonded and hardened. In order to avoid differences in colour, it is necessary to prepare a surface that forms a separate architectural section in a single work cycle, with a single product batch. Wash the tools with water immediately after finishing work. Application and bonding of the plaster mix should be conducted in dry weather, at air temperature ranging between +5°C and +25°C. Avoid working on surfaces exposed to direct sunlight or strong winds. In order to secure unbonded layer against adverse weather conditions, using safety netting is recommended.

## COMPOSITION:

Basic bonding agent: specially modified potassium water glass; Pigments: inorganic colour pigments resistant to weather conditions; Colours: natural white and colours from SATYN swatch as well as colours selected according to supplied specimens; Textures: dashed, pitted; Grain sizes: 1.5 mm; 2.0 mm; Thinner: water.

## SHELF LIFE:

Protect against frost. After work, seal the container tightly and try to use the remaining product as soon as possible. Product life in the factory-sealed packaging is 12 months from date of manufacture (on the packaging), in a cool place with temperature above 5°C.

## COMPLIANCE WITH RELEVANT STANDARDS:

Product compliant with EN 15824: 2009 "Specifications for external renders and internal plasters based on organic binders". Certified by the National Institute of Hygiene.

## PACKAGING:

25 kg buckets.



## TECHNICAL PARAMETERS PTS-46, AVERAGE COVERAGE:

TEXTURE	GRAIN SIZE [mm]	COVERAGE [kg/m²]
DASHED	1,5	2,3
DASHED	2,0	3,4
PITTED	1,5	1,7
PITTED	2,0	2,5





## Mosaic Plaster SATYN PTM-56

do wykonywania wypraw ochronno-dekoracyjnych  
wewnątrz i na zewnątrz budynków

### APPLICATION

SATYN PTM-56 Mosaic Plaster is a ready-to-use mix intended for manual application of decorative and protective coats. It is particularly recommended for preparing decorative finish coats in indoor and outdoor applications, e.g. plinths, pillars, pilasters or dados, especially in places exposed to potential mechanical damage, etc. Prior to application of plaster mix, the background should be primed with SATYN PP-85.

### PROPERTIES

SATYN PTM-56 Mosaic Plaster is a ready-to-use, high-grade thin-layer protective and decorative coat. It is composed of high-quality polymer dispersion and performance additives. It is a carefully selected composition of coloured fillers - range of 70 colours.

### BACKGROUND PREPARATION

The background must be stable, strong, clean, dry, free from contaminants and layers that are loosely bound to the background or that may affect adhesion (grease, adhesives, bitumen, dust, anti-adhesive agents, old paint and mortar residues, etc.); it must also be free from stains and blooms of biological or chemical origin (salt, corrosion). SATYN PTM-56 plaster may be applied to all mineral substrates, gypsum plasterboards and reinforced layers of thermal insulation systems. Do not use the product on lime plasters and thermal insulation plasters. Remove any loose layers not bound to the background (e.g. loose plaster layers, scaling paint coats or salt residues). Fill and smooth out cracks and gaps with levelling mortar. Remove anti-adhesive agents, grease, oils and fats using water with detergents. Surfaces with microbial growth (e.g. algae or mould) should be cleaned with available biocidal agent. Plaster mix should be applied to seasoned, cured substrate (at least 28 days). In thermal insulation system elements, SATYN PTM-56 plaster should be applied to the layer with embedded mesh after ca. 3-5 days. Prior to application of plaster mix, the substrate should be primed with SATYN PP-85 primer pre-coloured to match plaster colour. Secure surfaces not intended to be plastered. Secure the plaster applied outdoors against adverse weather conditions such as rain, wind and direct sunlight.

### APPLICATION INSTRUCTIONS

Directly before use, mix thoroughly until uniform consistency is achieved. Further mixing is not recommended as it may lead to excessive air entrainment. It is recommended to check the colour by applying the mix onto a piece of cardboard; wait until it dries out completely and compare it with a swatchbook and with the order. The packaging contains ready-to-use product. Do not thin the mix with water; do not mix with other materials. Apply



the product with a stainless steel trowel onto the substrate in a thin, even layer with a thickness equal to grain size. Bonding (hardening) time of the plaster mix applied to the substrate (at +20°C and relative air humidity of 55%) is ca. 6 hours, whereas full curing of the applied layer takes ca. 24 hours. Low air temperature and high air humidity may extend the curing period even up to several days. Secure the freshly applied plaster mix against adverse weather conditions until it has become fully bonded and hardened. In order to avoid differences in colour, it is necessary to prepare a surface that forms a separate architectural section in a single work cycle, with a single product batch. Wash the tools with water immediately after finishing work. Application and bonding of the plaster mix should be conducted in dry weather, at air temperature ranging between +5°C and +25°C. Avoid working on surfaces exposed to direct sunlight and strong wind. In order to secure unbonded layer against adverse weather conditions, using safety netting is recommended.

### COMPOSITION:

Water-based acrylic polymer dispersion, performance additives, coloured mineral fillers. Colours: according to the SATYN swatchbook.

### SHELF LIFE:

Protect against frost. After work, seal the container tightly and try to use the remaining product as soon as possible. Product life in the factory-sealed packaging is 12 months from date of manufacture (on the packaging), in a cool place with temperature above 5°C.

### COMPLIANCE WITH RELEVANT STANDARDS:

Product compliant with EN 15824: 2009 "Specifications for external renders and internal plasters based on organic binders". Certified by the National Institute of Hygiene.

### PACKAGING:

25 kg buckets.



### TECHNICAL PARAMETERS PTM-56, AVERAGE COVERAGE:

Average coverage [kg/m²]	4,6
Grain size [mm]	1,6



# PLASTERS

www.satyn.pl



## APPLICATION

Suitable for preparation of protective and decorative thin-layer plaster coats indoors and outdoors. Satyn PT-66 silicone-silicate plaster is intended for manual application. Prior to application of plaster mix, the background should be primed with SATYN PP-86.

## PROPERTIES

SATYN PT-66 silicone-silicate plaster is a ready-to-use mix combining the advantages of silicone and silicate plasters. It is characterized by exceptional resistance to weather conditions, high vapour-permeability and low surface absorption. It is resistant to operational damages and dirt. SATYN PT-66 silicone-silicate plaster is suitable for use in thermal insulation systems on mineral substrates, concrete, gypsum substrates and traditional plasters.

## BACKGROUND PREPARATION

The background must be stable, strong, clean, dry, free from contaminants and layers that are loosely bound to the background or that may weaken the bond (grease, adhesives, bitumen, dust, anti-adhesive agents, old paint and mortar residues, etc.); it must also be free from stains and blooms of biological or chemical origin (moulds and algae, salt residues, corrosion, etc.). Remove any loose layers not bonded to the background (e.g. loose plaster layers or scaling paint coats). Fill and smooth out gaps and irregularities, as they will deteriorate final plaster coat aesthetics. Before using the product, execute the base coat in accordance with the method for providing jointless external building insulation. The acrylic plaster mix may be applied on primed surfaces only after the reinforced layer has dried out completely, which normally takes place after 3-4 days. Prior to application of plaster mix, the background should be primed with SATYN PP-86. Bonding time of the product in optimum weather conditions (temperature of +20°C and relative air humidity of 55%) is ca. 24 hours. After the primer applied to the background has dried completely, proceed with plaster application. In order to reduce the possibility of substrate colour being visible under the plaster coat texture (particularly for the plaster finished to pitted texture), it is recommended to apply priming agent pre-coloured to match the plaster colour. The substrate preparation process must be compliant with guidelines and recommendations of construction standards and the rules of the trade.

## Silicone-Silicate Plaster

### SATYN PT-66

for protective and decorative coats in indoor and outdoor applications

## APPLICATION INSTRUCTIONS

After prolonged storage and directly before use, mix thoroughly with a mechanical whisk (mixing paddle) at slow speed until uniform consistency is achieved. Further mixing is not recommended as it may lead to excessive air entrainment. The packaging contains ready-to-use product. It is recommended to check the colour by applying the mix onto a piece of cardboard; wait until it dries out completely and compare it with a swatchbook and with the order. Apply plaster with a stainless steel trowel onto the substrate in a thin, even layer with a thickness equal to grain size. Execute plaster texture by circular movements (for dashed texture) or linear - vertical or horizontal - movements (for pitted texture), using a plastic trowel. Bonding (hardening) time of plaster mix applied to the substrate (at +20°C and relative air humidity of 55%) is ca. 24 hours. Please note: Low air temperature and high air humidity may extend the curing period even up to several days. Secure the freshly applied plaster mix against precipitation until it has become fully bonded and hardened. In order to avoid differences in colour, it is necessary to prepare a surface that forms a separate architectural section in a single work cycle, using "wet on wet" method. Colour uniformity is guaranteed only for the same production batch. If plasters from different production batches are used, they should be applied to different surfaces. Wash the tools with water immediately after finishing work. Application and bonding of the plaster mix should be conducted in dry weather, at air temperature ranging between +5°C and +25°C. Avoid working on surfaces exposed to direct sunlight and strong wind. In order to secure unbonded layer against adverse weather conditions, using safety netting is recommended on scaffolding. The manufacturer cannot be held responsible if the product is used otherwise than in accordance with its intended use or with manufacturer's instructions.

## COMPOSITION:

acrylic dispersion, silicone dispersion, potassium water glass, coloured mineral fillers, modifiers.

## SHELF LIFE:

Store in a tightly sealed original packaging, in a cool place at temperatures above 5°C. Protect against frost. After work, seal the container tightly and try to use the remaining product as soon as possible. Product life in the originally sealed packaging is 12 months from date of manufacture (on the packaging).

## COMPLIANCE WITH RELEVANT STANDARDS:

Product compliant with EN 15824: 2010 "Specifications for external renders and internal plasters based on organic binders". Certified by the National Institute of Hygiene.

## PACKAGING:

25 kg buckets.



## TECHNICAL PARAMETERS PT-66, AVERAGE COVERAGE:

TEXTURE	GRAIN SIZE [mm]	COVERAGE [(kg/m²)]
DASHED	1,5	2,4
DASHED	2,0	3,4
PITTED	1,5	1,7
PITTED	2,0	2,4



## Silicone Plaster

### SATYN PT-76

for thin-layer decorative and protective plaster top coats on facades

#### APPLICATION

Satyn PT 76 silicone plaster is intended for manual execution of protective and decorative thin-layer plaster coats (indoors and outdoors). Prior to application of plastering mix, the background should be primed with SATYN PP-87.

#### PROPERTIES

Satyn PT-76 thin-layer silicone plaster is a ready-to-use mixture which can be used in thermal insulation systems on mineral substrates, concrete, gypsum, traditional cement, lime and cement, cement and lime as well as lime plasters. This kind of plaster is characterised by high resistance to dirt, operational damages, adverse impact of weather conditions, also offering high vapour-permeability and low surface absorption. It is additionally protected against growth of algae and fungi. Satyn PT-76 silicone plaster is available in natural white or colours according to manufacturer's swatchbook.

#### BACKGROUND PREPARATION

The background must be stable, strong, clean, dry, free from contaminants and layers that are loosely bound to the background or that may weaken the bond (grease, adhesives, bitumen, dust, old paint and mortar residues, etc.); it must also be free from stains and blooms of biological or chemical origin (moulds and algae, salt residues, corrosion, etc.). Remove any loose layers not bonded to the background (e.g. loose plaster layers or scaling paint coats). Fill and smooth out gaps and irregularities, as they will deteriorate final plaster coat aesthetics. Before using the product, execute the base coat in accordance with the method for providing jointless external building insulation. The acrylic plaster mix may be applied on primed surfaces only after the reinforced layer has dried out completely, which normally takes place after 3-4 days. Prior to application of plaster mix, the background should be primed with SATYN PP-87. Bonding time of the applied product in optimum weather conditions (temperature of +20°C and relative air humidity of 55%) is ca. 24 hours. After the primer has dried completely, proceed with plaster application. In order to reduce the possibility of substrate colour being visible under the plaster coat texture (particularly for the plaster finished to pitted texture), it is recommended to apply priming agent pre-coloured to match the plaster colour. The substrate preparation process must be compliant with guidelines and recommendations of construction standards and the rules of the trade.

#### APPLICATION INSTRUCTIONS

After prolonged storage and directly before use, mix thoroughly until uniform consistency is achieved. Further mixing is not recommended as it may lead to excessive air entrainment. The packaging contains ready-to-use product. It is recommended to check the colour by applying the mix onto a piece of cardboard; wait until it dries out completely and compare it with a swatchbook and with the order. Apply plaster with a stainless steel trowel onto the substrate in a thin, even layer with a thickness equal to grain size. Execute plaster texture by circular movements (for dashed texture) or lin-



ear - vertical or horizontal - movements (for pitted texture), using a plastic trowel. Bonding (hardening) time of plaster mix applied to the substrate (at +20°C and relative air humidity of 55%) is ca. 24 hours. Please note: Low air temperature and high air humidity may extend the curing period even up to several days. Secure the freshly applied plaster mix against precipitation until it has become fully bonded and hardened. In order to avoid differences in colour, it is necessary to prepare a surface that forms a separate architectural section in a single work cycle, using "wet on wet" method. Colour uniformity is guaranteed only for the same production batch. If plasters from different production batches are used, they should be applied to different surfaces. Wash the tools with water immediately after finishing work. Application and bonding of the plaster mix should be conducted in dry weather, at air temperature ranging between +5°C and +25°C. Avoid working on surfaces exposed to direct sunlight or strong winds. In order to secure unbonded layer against adverse weather conditions, using safety netting is recommended on scaffolding. The manufacturer cannot be held responsible if the product is used otherwise than in accordance with its intended use or with manufacturer's instructions.

#### COMPOSITION:

acrylic dispersion, silicone dispersion, pigments, coloured mineral fillers, modifiers.

#### SHELF LIFE:

Store in a tightly sealed original packaging, in a cool place at temperatures above 5°C. Protect against frost. After work, seal the container tightly and try to use the remaining product as soon as possible. Product life in the originally sealed packaging is 12 months from date of manufacture (on the packaging).

#### COMPLIANCE WITH RELEVANT STANDARDS:

Product compliant with EN 15824: 2010 "Specifications for external renders and internal plasters based on organic binders". Certified by the National Institute of Hygiene.

#### PACKAGING:

25 kg buckets.



#### TECHNICAL PARAMETERS PT-76, AVERAGE COVERAGE:

TEXTURE	GRAIN SIZE [mm]	COVERAGE [(kg/m <sup>2</sup> )]
DASHED	1,5	2,4
DASHED	2,0	3,4
PITTED	1,5	1,7
PITTED	2,0	2,4

# ADHESIVES

www.satyn.pl



## APPLICATION

SATYN PKG-28 Gypsum Adhesive is designed for bonding gypsum boards, decorative gypsum mouldings, styrofoam boards and rigid insulation materials, as well as for levelling irregularities on plasters and walls indoors.

## PROPERTIES

SATYN PKG-28 Gypsum Adhesive is a dry mixture of gypsum, mineral fillers and modifiers that ensure optimum plasticity during preparation and high performance after drying. The adhesive can be applied to all mineral backgrounds indoors. Addition of cellulose fibers creates a unique micro-reinforcement in the product structure, which increases flexibility and strength.

## BACKGROUND PREPARATION

Check background quality. It should be sound, stable, even, dry, free from adhesion-reducing contaminants, e.g. dust, oils, grease, etc. Repair major irregularities and apply a suitable prime coat on smooth concrete substrates characterised by strong or uneven absorbency.

## APPLICATION INSTRUCTIONS

Product preparation: Add a suitable amount of clean, cool water to Satyn PKG-28 Gypsum Adhesive (ca. 0.5 l per 1 kg of dry product) and mix with a mechanical whisk at slow speed until lumps disperse and the right consistency is achieved. Wait ca. 2 minutes and mix again for a short while. For hand mixing, the time should be ca. 2-3 minutes. Remember always to pour dry mix to a vessel filled with adequate amount of water. Each time prepare a portion that can be used within 30-50 minutes. Correction time is ca. 10 minutes.

## Gypsum Adhesive

### SATYN PKG-28

for fixing gypsum boards, decorative gypsum mouldings, etc..

#### COMPOSITION:

Gypsum, mineral fillers, modifiers.

#### SHELF LIFE:

12 months from date of manufacture, in a dry place, in the originally sealed packaging.

#### COMPLIANCE WITH RELEVANT STANDARDS:

Compliant with EN-14496 "Gypsum based adhesives for thermal/acoustic insulation composite panels and plasterboards". Certified by the National Institute of Hygiene.

#### PACKAGING:

25 kg bags.



#### PKG-28 TECHNICAL PARAMETERS

Mix ratio [l/kg]	ca. 0.50 l water per 1 kg product
Adhesion to substrate [N/mm <sup>2</sup> ]	≥ 0,1
Workable life [min]	ca. 30-50
Correction time [min]	ca. 10
Application temperature [°C]	+5 to +30
Approx. coverage	ca. 25 kg adhesive / 5 m <sup>2</sup> of plasterboard



## Standard Cement Adhesive SATYN PK-21

for fixing ceramic and terracotta tiles indoors on non-deforming vertical and horizontal surfaces

### APPLICATION

SATYN PK-21 Standard Adhesive is designed for fixing ceramic and terracotta tiles inside buildings. The mixed product is plastic and very easy to handle. After bonding, the adhesive is resistant to water and can be used for fixing tiles on non-deforming vertical and horizontal surfaces. For bonding tiles larger than 30x30cm, PK-23 Elastic Adhesive should be used.

### PROPERTIES

PK-21 Standard adhesive is a ready-to-use dry mix of top-quality cement binder and aggregates with performance additives improving application properties and technical parameters.

### BACKGROUND PREPARATION

SATYN PK-21 may be applied on cement, cement-lime plasters, concrete, raw brick or masonry unit surfaces as well as other similar ceramic or lime-and-sand materials. The background must be stable, strong, clean, dry, free from contaminants and layers that are loosely bound to the background or that may weaken adhesion (grease, adhesives, bitumen, dust, anti-adhesive agents, old paint and mortar residues, etc.). Major surface irregularities should be treated with levelling mortar, while highly absorbent backgrounds should be primed and left to dry. For priming, use appropriate priming agent, e.g. SATYN PP-80 Priming Emulsion. Substrate humidity should be less than 4%.

### APPLICATION INSTRUCTIONS

To prepare adhesive pour dry mix into a vessel with a measured amount of water. Mix with a mechanical whisk at slow speed until lumps disperse and uniform consistency is achieved. Mix ratio: ca. 0.25 l water per 1 kg of the mix (6.25 l water per 25 kg of product). Set aside for 5-10 minutes and mix again for a short while. Apply a thin "contact layer" of prepared product on the previously prepared substrate. Spread the prepared product with a toothed trowel and start tiling; the tiles should be pressed so that the surface of the tile is at least 75% covered with adhesive. The time for placement of tiles on the prepared surface is ca. 10-20 minutes before the first thin layer of adhesive hardens (if such layer forms, remove it and apply a fresh adhesive layer). The floor can be used, tiling can be pointed or any other works can be performed after the mortar has hardened - not earlier than 48 hours after the tiles have been fixed. The product develops full operating strength after 3 days. Any splashed product remains



should be removed with water and, if already hardened, should be removed mechanically. The prepared amount of adhesive should be used within 3 hours. Ambient temperature as well as product and background temperature should range between +5°C and +30°C. When fixing non-absorbent tiles, it is recommended to cover the bottom surface of the tiles with the adhesive. Do not wet tile surface before fixing. After finishing work, wash the tools with warm water.

### COMPOSITION:

Cement, mineral fillers, modifiers.

### SHELF LIFE:

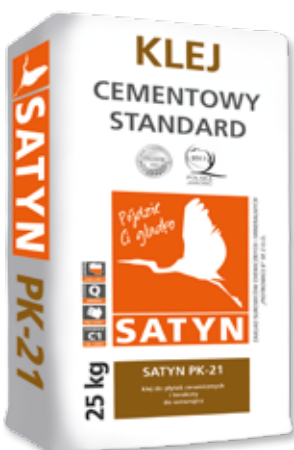
12 months from date of manufacture, in a dry place, in the originally sealed packaging.

### COMPLIANCE WITH RELEVANT STANDARDS:

Compliant with EN-12004: 2008 "Adhesives for tiles - Requirements, evaluation of conformity, classification and designation". Classified as C1 product. Certified by the National Institute of Hygiene.

### PACKAGING:

25 kg bags.



### PK-21 TECHNICAL PARAMETERS

Mix ratio per 1 kg [ml/g]	250/1000
Workable open time [min]	20
Application temperature: substrate and material [°C]	5 to 30
Resistance to temperature during use [°C]	-20 to 60
Workable life [min]	180
Curing time [min]	5 to 10
Correction time [min]	15
Adhesive layer thickness [mm]	8
Pointing [h]	after 48
Approximate coverage (depending on substrate type and trowel tooth size) [kg/m²]	1,8 - 3,5



# ADHESIVES

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## APPLICATION

SATYN PK-22 Universal Adhesive is intended for gluing ceramic tiles in outdoor and indoor applications on vertical and horizontal, non-deforming surfaces (walls and floors). It is not recommended to use the PK-22 adhesive for fixing non-absorbent tiles and in areas exposed to direct sunlight (terraces, facades, etc.), in which case SATYN PK-23 Elastic Adhesive should be used.

## PROPERTIES

SATYN PK-22 Universal Adhesive is a professional adhesive mortar intended for gluing ceramic tiles: glazed tiles, terracotta, quarry tiles and stoneware tiles indoors and outdoors. The mixed product is plastic and very easy to handle. The adhesive is provided with elasticizing agents, which means that after it has cured, it remains resistant to weather conditions such as frost and water. PK-22 Standard adhesive is a ready-to-use dry mix of top-quality cement binder and aggregates with performance additives improving application properties and technical parameters. Adequate choice of adhesive consistency and layer thickness (according to manufacturer's recommendations) will eliminate the effect of ceramic tile downward movement.

## BACKGROUND PREPARATION

SATYN PK-22 may be applied on cement, cement and lime plasters, concrete, cement and anhydrite screed, raw brick or masonry unit surfaces as well as other similar ceramic or lime-and-sand materials. The background must be stable, strong, clean, dry, free from contaminants and layers that are loosely bound to the background or that may weaken the bond (grease, adhesives, bitumen, dust, anti-adhesive agents, old paint and mortar residues, etc.). Major surface irregularities should be treated with levelling mortar, while highly absorbent backgrounds should be primed and left to dry. For priming, use an adequate product such as SATYN PP-80 Priming Emulsion.

Substrate humidity should be less than 4%.



PK-22 TECHNICAL PARAMETERS	
Mix ratio per 1 kg [ml/g]	250/1000
Workable open time [min]	20
Application temperature: substrate and material [°C]	5 to 25
Resistance to temperature during use [°C]	-20 to 60
Workable life [min]	180
Curing time [min]	5 to 10
Correction time [min]	15
Adhesive layer thickness [mm]	8
Pointing [h]	after 48
Approximate coverage (depending on substrate type and trowel tooth size) [kg/m²]	1,8 - 3,5

## Universal Cement Adhesive

### SATYN PK-22

elasticized adhesive for fixing ceramic and terracotta tiles indoors and outdoors on non-deforming vertical and horizontal surfaces

## APPLICATION INSTRUCTIONS

To prepare adhesive pour dry mix into a vessel with a measured amount of water. Mix with a mechanical whisk at slow speed until lumps disperse and uniform consistency is achieved. Mix ratio: ca. 0.25 l water per 1 kg of the mix (6.25 l water per 25 kg of product). Set aside for 5-10 minutes and mix again for a short while. Apply a thin "contact layer" of prepared product on the previously prepared substrate. Spread the prepared product with a toothed trowel and start tiling; the tiles should be pressed so that the surface of the tile is at least 75% covered with adhesive. The time for placement of tiles on the prepared surface is ca. 10-20 minutes before the first thin layer of adhesive hardens (if such layer forms, remove it and apply a fresh adhesive layer). The floor can be used, tiling can be pointed or any other works can be performed after the mortar has hardened - not earlier than 48 hours after the tiles have been fixed. The product develops full operating strength after 3 days. Any splashed product remains should be removed with water and, if already hardened, should be removed mechanically. The prepared amount of adhesive should be used within 3 hours. Ambient temperature as well as product and background temperature should range between +5°C and +25°C. When fixing non-absorbent tiles - especially outdoors - it is recommended to cover the bottom surface of the tiles with the adhesive. Do not wet tile surface before fixing. After finishing work, wash the tools with warm water.

## COMPOSITION:

Cement, mineral fillers, modifiers.

## SHELF LIFE:

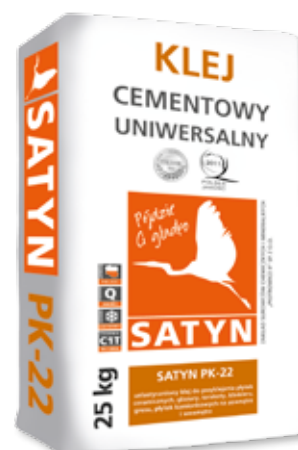
12 months from date of manufacture, in a dry place, in the originally sealed packaging.

## COMPLIANCE WITH RELEVANT STANDARDS:

Compliant with EN-12004: 2008 "Adhesives for tiles - Requirements, evaluation of conformity, classification and designation". Classified as **C1T** product. Certified by the National Institute of Hygiene.

## PACKAGING:

25 kg bags.





## Flexible Cement Adhesive

### SATYN PK-23

for fixing ceramic tiles: glazed tiles, terracotta, brick and stoneware tiles on deformable critical substrates in outdoor and indoor applications

#### APPLICATION

SATYN PK-23 Flexible Adhesive is a professional product designed for gluing ceramic tiles: glazed tiles, terracotta, brick tiles, quarry tiles and stoneware tiles indoors and outdoors, in places subject to critical conditions. Due to improved flexibility and adhesion, SATYN PK-23 is perfectly suitable for application on the following substrates: deformable substrates - e.g. floor heating systems, gypsum plasterboard, partition walls, terraces, external and internal balconies and on critical substrates - e.g. old ceramic tiles, paint coats with good adhesion, gypsum and anhydrite substrates after earlier priming.

#### PROPERTIES

SATYN PK-23 Flexible Adhesive is a professional adhesive product designed for gluing ceramic tiles. The prepared material is plastic and very easy to handle and, after hardening, it is resistant to weather conditions (water and frost-resistant). The adhesive is suitable for application on vertical and horizontal surfaces. PK-23 Flexible Adhesive is a ready-to-use dry mix of top-quality cement binder and aggregates with performance additives improving application properties and technical parameters. Adequate choice of adhesive consistency and layer thickness (according to manufacturer's recommendations) will eliminate the effect of ceramic tile downward movement.

#### BACKGROUND PREPARATION

SATYN PK-23 may be applied on cement, cement and lime plasters, concrete, cement and anhydrite screed as well as on raw brick or masonry unit surfaces as well as other similar ceramic or lime-and-sand materials. The background must be stable, strong, clean, dry, free from contaminants and layers that are loosely bound to the background or that may weaken the bond (grease, adhesives, bitumen, dust, anti-adhesive agents, old paint and mortar residues, etc.). Major surface irregularities should be treated with levelling mortar, while highly absorbent backgrounds should be primed and left to dry. For priming, use an adequate product such as SATYN PP-80 Priming Emulsion. Substrate humidity should be less than 4%.

#### APPLICATION INSTRUCTIONS

To prepare adhesive pour dry mix into a vessel with a measured amount of water. Mix with a mechanical whisk at slow speed until lumps disperse and uniform consistency is achieved. Mix ratio: ca. 0.23 l water per 1 kg of the mix (5.75 l water per 25 kg of product). Set aside for 5-10 minutes and mix again for a short while. Apply a thin "contact layer" of prepared



product on the previously prepared substrate. Spread the prepared product with a toothed trowel and start tiling; the tiles should be pressed so that the surface of the tile is at least 75% covered with adhesive. The time for placement of tiles on the prepared surface is ca. 20 minutes before the first thin layer of adhesive hardens (if such layer forms, remove it and apply a fresh adhesive layer). The floor can be used, tiling can be pointed or any other works can be performed after the mortar has hardened - not earlier than 48 hours after the tiles have been fixed. The product develops full operating strength after 3 days. Any splashed product remains should be removed with water and, if already hardened, should be removed mechanically. The prepared amount of adhesive should be used within 3 hours. Ambient temperature as well as product and background temperature should range between +5°C and +30°C. When fixing non-absorbent tiles - especially outdoors - it is recommended to cover the bottom surface of the tiles with the adhesive. Do not wet tile surface before fixing. After finishing work, wash the tools with warm water.

#### COMPOSITION:

Cement, mineral fillers, modifiers.

#### SHELF LIFE:

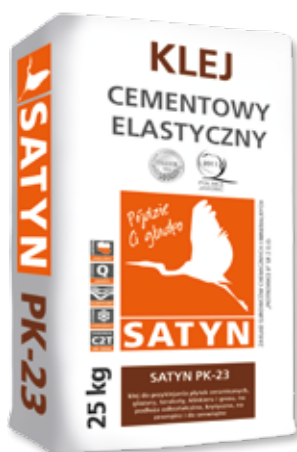
12 months from date of manufacture, in a dry place, in the originally sealed packaging.

#### COMPLIANCE WITH RELEVANT STANDARDS:

Compliant with EN-12004: 2008 "Adhesives for tiles - Requirements, evaluation of conformity, classification and designation". Classified as **C2TES1** product. Certified by the National Institute of Hygiene.

#### PACKAGING:

25 kg bags.



#### PK-23 TECHNICAL PARAMETERS

Mix ratio per 1 kg [ml/g]	230/1000
Workable open time [min]	20
Resistance to temperature during use [°C]	-20 to 60
Workable life [min]	180
Curing time [min]	5 to 10
Correction time [min]	15
Maximum layer thickness [mm]	8
Pointing [h]	after 48
Approximate coverage (depending on substrate type and trowel tooth size) [kg/m²]	1,8 - 3,5

# ADHESIVES

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## APPLICATION

Intended for seasoned mineral substrates: concrete, cellular concrete, cement and lime plasters, cement plasters, ceramic bricks, masonry units, aerated concrete units, silicate bricks.

## PROPERTIES

SATYN PO-24 Adhesive Mortar is intended for outdoor bonding of styrofoam boards to the substrate, for thermal insulation of buildings using "jointless" method. It is suitable both for newly built structures as well as for thermal upgrading of existing buildings (for executing layers reinforced with fiber glass, use SATYN POS-27 Adhesive Mortar). SATYN PO-24 mortar is elasticized and easy to handle; after hardening it becomes water- and frost-resistant. Good adhesion to mineral substrates and styrofoam boards, economic in use. Designed for application in thermal insulation systems. PO-24 Adhesive Mortar is a ready-to-use dry mix of top-quality cement binder and aggregates with performance additives improving application properties and technical parameters.

## BACKGROUND PREPARATION

Check background quality - it must be stable, strong, clean, dry, free from contaminants and layers that are loosely bound to the background or that may weaken adhesion (grease, adhesives, bitumen, dust, anti-adhesive agents, old paint and mortar residues, etc.). Major surface irregularities or cracks should be treated with levelling mortar, while highly absorbent backgrounds should be primed (e.g. with SATYN PP-80 Primer) and left to dry. Remove hollow-sounding plaster layers, paint coats and coats with low

## Adhesive Mortar

### SATYN PO-24

for fixing styrofoam board in thermal insulation of buildings

adhesion, e.g. using pressure washers. Spots with apparent algae and moss growth should be cleaned and primed. To verify correct substrate preparation, carry out an adhesion test of a 10 x 10 cm styrofoam block on a continuous layer of mortar. When pulled-off after 4 days, styrofoam should break off in layers.

## APPLICATION INSTRUCTIONS

To prepare adhesive pour dry mix into a vessel with a measured amount of water. Mix with a mechanical whisk at slow speed until lumps disperse and uniform consistency is achieved. Mix ratio: ca. 0.19-0.21 l water per 1 kg of the mix (4.75-5.25 l water per 25 kg of product). Wait 10 minutes and mix again for a short while. Do not reuse dried adhesive by adding water or mixing with fresh adhesive. In the "jointless" method, apply the product to styrofoam boards in strips (3-4 cm wide) at a distance of ca. 3 cm from the board edge. Put 10 to 12 spots of mortar (8 cm diameter) on the remaining surface of the styrofoam board to achieve coverage of at least 40% on the board surface. Next, place and press the board against the wall immediately until an even surface with neighbouring boards is achieved; remember that vertical joints between boards must not align. After bonding (after at least 2 days), the boards can be edged and fastened with pins (4 pcs/m<sup>2</sup>); close to building edges apply 8 pins per m<sup>2</sup>, unless the designer requires otherwise.

## COMPOSITION:

Cement, mineral fillers, modifiers.

## SHELF LIFE:

12 months from date of manufacture, in a dry place, in the originally sealed packaging.

## COMPLIANCE WITH RELEVANT STANDARDS:

Compliant with Technical Approval. Certified by the National Institute of Hygiene.

## PACKAGING:

25 kg bags.



## PO-24 TECHNICAL PARAMETERS

Mix ratio per 25 kg bag	4,75 - 5,25 l water
Curing time [min]	5 to 10
Workable life [min]	ca. 120
Application temperature: substrate and material [°C]	5 to 30
Fastening pins [h]	after 48
Approx. coverage [kg/m <sup>2</sup> ]	4 - 5



## Adhesive Mortar SATYN POS-27

for mesh-reinforced layers in thermal insulation of buildings

### APPLICATION

SATYN POS-27 is intended for preparation of layers reinforced with fiber glass mesh on styrofoam boards outdoors, using "jointless" method for thermal insulation of buildings. It is suitable both for newly built structures as well as for thermal upgrading of existing buildings. The mortar can also be used for gluing styrofoam boards, but the optimal solution is to fix styrofoam with SATYN PO-24 Grey Mortar and to embed the mesh in SATYN POS-27 mortar.

### PROPERTIES

The mortar is strong, flexible and economic to use and is characterized by high adhesion to the substrate. After bonding, it is permeable to vapour and resistant to weather conditions (frost and water). The mortar is a perfect substrate for acrylic, silicate, silicone, mineral and mosaic plasters, etc. The mortar constitutes an integral part of a thermal insulation system. POS-27 Adhesive Mortar is a ready-to-use dry mix of top-quality cement binder and aggregates with performance additives improving application properties and technical parameters.

### BACKGROUND PREPARATION

SATYN POS-27 Adhesive Mortar should be used on styrofoam substrate. Prior to preparation of reinforced layer, the entire surface of styrofoam boards should be levelled with coarse abrasive paper on a trowel.

### APPLICATION INSTRUCTIONS

Add clean cool water and mix with a mechanical whisk until lumps disperse and uniform consistency is achieved. Mix ratio: ca. 0.17 l water per 1 kg of the mix (4.25 l water per 25 kg of product). Set aside for 10 minutes and mix again for a short while. Do not reuse dried adhesive by adding water or mixing with fresh adhesive. For embedding of the mesh, the mortar should be applied on the surface of styrofoam boards not earlier than 2 days after they have been fixed and fastened with pins. Apply a continuous layer (ca. 3 mm



thick) using a toothed trowel, starting from the top and going downwards, applying strips with a width matching that of the reinforcement mesh. After preparation of the mortar, embed the mesh by pressing it into the mortar with a trowel; remember about overlaps (ca. 10 cm). The mesh should be strained and fully embedded in the mortar. The total thickness of reinforced layer should be ca. 5 mm. Plaster coat may be executed at least 3 days after the reinforcement layer, after previous priming with a priming agent, e.g. SATYN PP-84, PP-85, PP-86 or PP-87 (depending on the plaster). Ambient temperature as well as product and background temperature should range between +5°C and +30°C; avoid conducting works during rain.

### COMPOSITION:

Cement, mineral fillers, modifiers.

### SHELF LIFE:

12 months from date of manufacture, in a dry place, in the originally sealed packaging.

### COMPLIANCE WITH RELEVANT STANDARDS:

Compliant with Technical Approval. Certified by the National Institute of Hygiene.

### PACKAGING:

25 kg bags.



### POS-27 TECHNICAL PARAMETERS

Mix ratio per 25 kg bag	4.25 l water
Curing time [min]	5 to 10
Workable life [min]	ca. 120
Application temperature: substrate, air, material [°C]	5 to 30
Bonding time [days]	3
Approx. coverage [kg/m²]	3 - 4

# PATCHING AND LEVELLING COMPOUNDS

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## APPLICATION

Start SATYN PW-01 Patching Plaster is designed for smoothing over uneven and rough surfaces of mineral plaster coats, cover cracks as well as fill gaps and chipped surfaces. It also serves as a levelling layer applied before SATYN finish coats.

## PROPERTIES

Start SATYN PW-01 Patching Plaster is a dry mixture of gypsum, mineral fillers and modifiers that ensure optimum plasticity when mixed.

## BACKGROUND PREPARATION

Check background quality. It should be sound, stable, even, dry, free from adhesion-reducing contaminants, e.g. dust, oils, grease, etc. Highly absorbent backgrounds should be primed and left to dry. Use appropriate priming agent, e.g. SATYN PP-80 Priming Emulsion. Start Patching Plaster can be applied to all mineral backgrounds (indoors).

## APPLICATION INSTRUCTIONS

Ambient temperature as well as product and background temperature should range between +5°C and +25°C. Add dry mixture slowly to a container with a properly measured quantity of clean cold water; mix continuously with a mechanical whisk at slow speed until lumps disperse and the right consistency is achieved. Whether mixing either by hand or mechanical

## Start Patching Plaster

### SATYN PW-01

for filling cracks and smoothing over uneven and rough mineral plaster coats

whisk, set the mass aside for ca. 5 minutes and then mix again for a while. For hand mixing, the time should be ca. 2-3 minutes. After mixing the first batch, check consistency. Adjust the quantity of added water, if necessary, depending on the desired consistency and type of background. Note down the mix ratio in order to prepare the next product batches in the same way. Hardening product must not be mixed with water or fresh material. Each time prepare a portion that can be used within 1 hour. Apply product to the background using tools made of stainless materials. If necessary, finished layers can be reworked or sanded with sandpaper/mesh sanding sheets. The final layer of finish coat can be applied after 24 hours. All finishing works must be conducted in rooms secured against frost, direct sunlight and draughts. Mix ratio: ca. 0.45 l water per 1 kg dry product.

## COMPOSITION:

Mixture of gypsum binder, mineral filler and modifying additives.

## SHELF LIFE:

12 months from date of manufacture, in a dry place, in the originally sealed packaging.

## COMPLIANCE WITH RELEVANT STANDARDS:

The product complies with the requirements of EN13279-1: 2009 "Gypsum binders and gypsum plasters". Classified as Type B2/20/2 Hand-applied Gypsum Plaster for indoor use. Certified by the National Institute of Hygiene.

## PACKAGING:

25 kg, 10 kg, 2 kg bags.



## PW-01 TECHNICAL PARAMETERS

Mix ratio [l/kg]	ca. 0.45 l water per 1 kg of dry product
Curing time [min]	5 minutes
Workable life [h]	ca. 1
Approx. coverage at 1 mm layer [kg/m²]	ca. 1,2





## Universal White Levelling Mortar SATYN PSZ-11

for levelling and smoothing over wall and ceiling surfaces as well as for filling gaps and cracks

### APPLICATION

SATYN PSZ-11 Universal Levelling Mortar is designed for application on internal walls and ceilings to ensure smooth surfaces. It also helps smooth out uneven, rough surfaces of mineral plaster coats as well as fill gaps and chipped surfaces. The white colour helps reduce the number of paint layers while ensuring rich colour effects.

### PROPERTIES

SATYN PSZ-11 Universal Levelling Mortar is a dry mixture of gypsum, mineral fillers and modifiers that - when mixed with water - form plastic mass characterised by strong adhesion to the substrate. After drying and processing a smooth surface is obtained, which can later be wallpapered or coated with paints for mineral substrates.

### BACKGROUND PREPARATION

Check background quality. It should be sound, stable, even, dry, free from adhesion-reducing contaminants, e.g. dust, oils, grease, etc. Highly absorbent backgrounds should be primed and left to dry. Use appropriate priming agent, e.g. SATYN PP-80 Priming Emulsion. PSZ-11 Universal Levelling Mortar can be applied on all mineral backgrounds (indoors).

### APPLICATION INSTRUCTIONS

Add product to cold water (0.38 l - 0.41 l water per 1 kg of dry product) and mix with a mechanical whisk at slow speed until lumps disperse and the right consistency is achieved. Wait 5 minutes and mix again for a short while. Each time prepare a portion that can be used within 1 hour. Apply product to the background using tools made of stainless materials. Maximum thickness of a single layer is 7-8 mm (up to 3 cm in 4 layers). If necessary, finished layers can be reworked or sanded with sanding paper.



### COMPOSITION:

Mixture of natural gypsum binder, mineral filler and modifiers.

### SHELF LIFE:

12 months from date of manufacture, in a dry place, in the originally sealed packaging.

### COMPLIANCE WITH RELEVANT STANDARDS:

The product complies with the requirements of EN13279-1: 2009 "Gypsum binders and gypsum plasters". Classified as Type B2/20/2 Hand-applied Gypsum Plaster for indoor use. Certified by the National Institute of Hygiene.

### PACKAGING:

20 kg bags.



### PSZ-11 TECHNICAL PARAMETERS

Mix ratio [l/kg]	0.38- 0.41 l water per 1 kg of dry powder
Curing time [min]	5
Workable life [h]	ca. 1
Temperature of air, substrate and material [°C]	od +5 to +30
Maximum coat thickness is 7-8 mm	up to 3 cm in 4 layers
Approx. coverage at 1 mm layer [kg/m²]	ca. 1,2



# PATCHING AND LEVELLING COMPOUNDS

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## APPLICATION

SATYN PCZ-15 White Cement Patching Compound is intended for finishing thin-coated external and internal walls. It can be used as a finish layer or base coat under decorative plasters and paints. The product is suitable for manual coating of internal and external walls, also in rooms with a relatively high humidity (bathrooms, shower rooms, saunas, etc.). Do not apply in thermal insulation systems.

## PROPERTIES

SATYN PCZ-15 White Cement Patching Compound is a factory-made dry mixture of fillers with modifying additives, ensuring optimum plasticity as well as easy application and processing. It is highly resistant to biological degradation. Due to the high quality of fillers, the product is characterised by excellent whiteness, which allows to reduce the number of paint layers without compromising colour richness. Mixed material is plastic and workable, producing a felt-like texture after finishing. After hardening, it provides a flexible, water-resistant, frost-resistant, vapour-permeable coating with increased resistance to mechanical damage.

## BACKGROUND PREPARATION

The background must be stable, strong, clean, dry, free from contaminants and layers that are loosely bound to the background or that may affect adhesion (grease, adhesives, bitumen, dust, anti-adhesive agents, old paint and mortar residues, etc.). Recommended for properly cured mineral backgrounds: concrete, cement-lime plaster, cement, brickwork, etc. Backgrounds characterised by strong or uneven absorbance should be primed with a dedicated agent such as SATYN PP-80 Priming Emulsion. Major irreg-

## White Cement Patching Compound SATYN PCZ-15

for finishing thin-coated external and internal walls

ularities can be smoothed out with levelling mortar.

## APPLICATION INSTRUCTIONS

Product preparation: add a suitable amount of clean cold water (0.22-0.25 l per 1 kg product) and mix with a mechanical whisk at slow speed until lumps disperse and the right consistency is achieved. Adjust the quantity of added water, if necessary. Set aside for ca. 10 minutes and mix again for a short while. Apply the product with a stainless steel trowel to a prepared substrate, forming a uniform layer with a thickness of 1 to 5 mm. Several layers can be applied to achieve a desired effect. Before applying another coat – after initial hardening (at least 24 hours after application) – the surface can be smoothed with sandpaper. The final layer should be processed with a wet sponge or felt, after the compound has dried slightly, ca. 1-2 hours after application. Alternatively, the final layer can be finished with sandpaper by sanding over the entire surface. Ambient temperature as well as product and background temperature should range between +5°C and +30°C. Do not apply the product during rain or strong winds. Protect the work area from direct sunlight, e.g. using mesh. After finishing work, wash the tools with water.

## COMPOSITION:

White cement, lime, mineral fillers, modifiers.

## SHELF LIFE:

12 months from date of manufacture, in a dry place, in the originally sealed packaging.

## COMPLIANCE WITH RELEVANT STANDARDS:

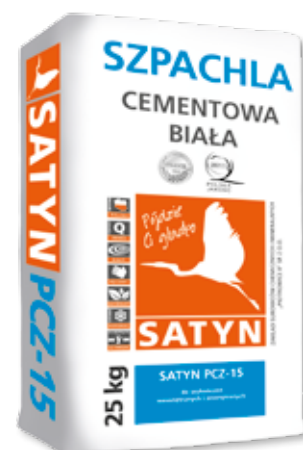
The product is compliant with EN 998-1-2009 "Specification for mortar for masonry". General-purpose compound for indoor and outdoor use. Certified by the National Institute of Hygiene.

## PACKAGING:

25 kg bags.



PCZ-15 TECHNICAL PARAMETERS	
Mix ratio (water l / 1 kg dry mixture)	0,22-0,25
Curing time [min]	10
Workable life [h]	ca. 2
Maximum layer thickness [mm]	5
Application of another layer after [h]	24
Approx. coverage at 1mm mm layer [kg/m²]	1,5



# PATCHING AND LEVELLING COMPOUNDS

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## White Patching Compound

### SATYN PK-51

for jointing gypsum boards using mesh tapes

#### APPLICATION

SATYN PK-51 White Patching Compound is designed for jointing gypsum boards with mesh tapes. It is also suitable for executing wall and ceiling corners (indoors) and for repairing minor defects.

#### PROPERTIES

SATYN PK-51 White Patching Compound is a dry mixture of dolomite fillers, natural gypsum, microfibers enhancing resistance to cracking, and top-quality modifiers due to which the mass acquires optimum plasticity during mixing and proper durability parameters after drying.

#### BACKGROUND PREPARATION

Check background quality – gypsum board should be dry and free from adhesion-reducing contaminants. Other types of substrates should be sound, stable, even, dry, free from contaminants affecting adhesion, e.g. dust, oils, grease, etc. Smooth surfaces should be sanded with sandpaper. Highly absorbent backgrounds should be primed and left to dry. Use appropriate priming agent, e.g. SATYN PP-80 Priming Emulsion. Pay attention to trimmed edges of gypsum boards – remember to wet them with water before jointing. SATYN PK-51 can be used on gypsum boards and other cured mineral substrates (indoors).

#### APPLICATION INSTRUCTIONS

Add the mixture to water (0.5 l water per 1 kg dry mixture). Mix manually or with a mechanical whisk at slow speed until lumps disperse and the right consistency is achieved. Wait 5 minutes and mix again for a short while. It is important to mix the product in a clean container, as hardened gypsum residues considerably reduce the initial setting time. Each time prepare a portion that can be used within 1 hour. Apply the compound to the surface using a stainless steel trowel. Apply mass to the joint between gypsum



boards, cover with mesh tape and apply another layer of compound. If necessary, add a thin finishing layer or sand down.

#### COMPOSITION:

Mixture of natural gypsum binder, mineral filler and modifiers.

#### SHELF LIFE:

12 months from date of manufacture, in a dry place, in the originally sealed packaging.

#### COMPLIANCE WITH RELEVANT STANDARDS:

Compliant with EN 13963 "Jointing materials for gypsum plasterboards", type 1B. Certified by the National Institute of Hygiene.

#### PACKAGING:

25 kg and 2 kg bags.



#### PK-51 TECHNICAL PARAMETERS

Mix ratio [l/kg]	0.50 l water per 1 kg product
Temperature of air, substrate and material [°C]	+5 to +30
Workable life [min]	ca. 60
Approx. coverage at 1 mm layer [kg/m²]	ca. 1,2

# PATCHING AND LEVELLING COMPOUNDS

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## APPLICATION

PK-52 White Patching Compound is intended for jointing gypsum boards without the need for using mesh tape. It can also be used for executing wall and ceiling corners (indoors) and for filling minor gaps and cracks.

## PROPERTIES

SATYN PK-52 White Patching Compound is a dry mixture of high quality gypsum, dolomite fillers, microfibers enhancing resistance to cracking, and modifying additives. The product is characterised by enhanced plasticity and durability.

## BACKGROUND PREPARATION

Check background quality – it must be clean, sound and solid. PK-52 White Patching Compound offers excellent adhesion to gypsum and gypsum board substrates; it can also be applied to concrete backgrounds. Highly

## White Micro-Reinforced Patching Compound SATYN PK-52

for jointing gypsum boards without the need for using mesh tape

absorbent backgrounds should be primed and left to dry. Use SATYN PP-80 Priming Emulsion for priming. Pay attention to trimmed edges of gypsum boards – remember to wet them with water before jointing.

## APPLICATION INSTRUCTIONS

Add the product to cold water (0.6 l water per 1 kg of dry product) and mix with a mechanical whisk at slow speed until lumps disperse and the right consistency is achieved. Wait 5 minutes and mix again for a short while. Each time prepare a portion that can be used within 1 hour.

## COMPOSITION:

Mixture of natural gypsum binder, mineral filler and modifiers.

## SHELF LIFE:

12 months from date of manufacture, in a dry place, in the originally sealed packaging.

## COMPLIANCE WITH RELEVANT STANDARDS:

Compliant with EN 13963 "Jointing materials for gypsum plasterboards", type 4B. Certified by the National Institute of Hygiene.

## PACKAGING:

25 kg and 2 kg bags.



## PK-52 TECHNICAL PARAMETERS

Mix ratio [l/kg]	0.60 l water per 1 kg of dry powder
Workable life [min]	ca. 60
Temperature of air, substrate and material [°C]	+5 to +30
Adhesion strength, break force [N]	≥ 450
Approx. coverage at 1 mm layer [kg/m²]	ca. 1,2

## Priming Emulsion

### SATYN PP-80

for walls and floors, deep penetrating and substrate strengthening, especially recommended for dusty substrates

#### APPLICATION

SATYN PP-80 is designed for priming substrates characterised by uneven absorbency, e.g.: gypsum boards and plasterboards, brick walls, regular concrete, cellular concrete and plasters. Apply prior to cement and cement-lime mortars, paints (dispersion paints), finish coats and patching compounds, floor tiles, wallpapers and floor underlayment.

#### PROPERTIES

SATYN PP-80 Priming Emulsion is a water-based acrylic resin primer. This solvent-free product shows optimum penetrating and substrate strengthening characteristics. SATYN PP-80 works perfectly on dusty substrates, strengthening and regulating them, at the same time reducing absorbency. SATYN PP-80 Priming Emulsion improves adhesion of paints and plaster coats. It offers increased resistance to weathering and saponification.

#### BACKGROUND PREPARATION

The product can be applied to mineral coats, both indoors and outdoors. It is especially recommended for dusty substrates. Check the background and remove any loose particles. In the case of smooth and non-absorbent concrete background contaminated with anti-adhesive agents – remove dust and greasy residue using water with detergent. Places exposed to microbial contamination – apply biocidal agent and clean the surface mechanically. If necessary, smooth over the surface with levelling mortar and wait until it has dried completely. Optimally prepared background should be free from contaminants, scratches, salt residues; the surface should be levelled and uniformly dry. Secure surfaces not intended to be primed.

#### APPLICATION INSTRUCTIONS

Apply at product and background temperature ranging between +5°C and +25°C. Thinning is not required, but in the case of gypsum substrates the product can be thinned with clean cool water (mix ratio 1:1). Apply SATYN PP-80 with brush, roller or as a spray. When a sprayer is used, double application of SATYN PP-80 is recommended. To strengthen the background, apply two layers of the primer in intervals of ca. 4 hours – also in the case



of highly absorbent substrates. Drying time can range from 2 to 4 hours, depending on ambient temperature and humidity as well as substrate absorbency. Wait 24 hours from application before continuing work. Protect fresh coats against unfavourable weather conditions.

#### COMPOSITION:

Water-based acrylic dispersion, performance additives.

#### SHELF LIFE:

12 months from date of manufacture (on the packaging), in the original, undamaged packaging.

#### COMPLIANCE WITH RELEVANT STANDARDS:

The product complies with PN-C-81906 "Water-thinnable paints and impregnating agents".

Certified by the National Institute of Hygiene.

#### PACKAGING:

Disposable plastic container – 5 and 10 l.



#### PP-80 TECHNICAL PARAMETERS

Density [g/cm³]	0,97 - 1,02
Drying time [h]	2-4
Colour	white
pH	ca. 7
Coverage [ml/m²]	50-300

# PRIMERS

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## APPLICATION

Polysilicate-based product for proper substrate preparation prior to applying SATYN PTS-46 plasters. SATYN PP-84 Primer is manufactured as a ready-to-use thick white suspension. It is designed for priming the base layer and reinforced layer prior to applying silicate plaster. It can be used on all mineral substrates, both indoors and outdoors. Matching primer colour to plaster colour is especially recommended for plaster finished to pitted texture.

## PROPERTIES

SATYN PP-84 Primer improves adhesion of the plaster, strengthens the substrate, reduces and unifies absorbency without impairing vapour-permeability; it facilitates plaster application and texture execution; dyed to match plaster colour, it is characterised by excellent adhesion to mineral substrates; solvent-free, resistant to weather conditions, protects against algae and fungi. It prevents transfer of contaminants and discolouration from the substrate to external plaster.

## BACKGROUND PREPARATION

The background must be stable, strong, clean, uniformly dry, free from contaminants and layers that are loosely bound to the background or that may weaken the bond (grease, adhesives, bitumen, dust, anti-adhesive agents, old paint and mortar residues, etc.); it must also be free from stains and blooms of biological or chemical origin (salt, corrosion). Check the background and remove any loose particles. In the case of smooth and non-absorbent concrete background contaminated with anti-adhesive agents – remove dust and greasy residue using water with detergent. Places exposed to microbial contamination (algae, mould, bloom, etc.) should be secured with biocidal agent and cleaned mechanically. Fill any gaps and irregularities, smooth out the surface with SATYN POS-27 adhesive mortar or levelling mortar. Optimally prepared background should be free from contaminants, scratches, salt residues; the surface should be levelled, cured and uniformly

## Primer for silicate plasters

### SATYN PP-84

for proper substrate preparation prior to applying polysilicate/silicate plasters

dry. Secure surfaces not intended to be primed. Before using the product in a thermal insulation system, execute the base coat in accordance with the method for providing seamless external building insulation. The product can be applied only after the base or reinforced layer has dried completely, which in normal conditions takes place after 3-4 days for thermal insulation systems and 3-4 weeks for cement-lime coats. The packaging contains ready-to-use product. Do not thin the product. Drying/hardening time is up to 24 hours. Plaster application can start when the primer is completely dry, i.e. after ca. 24 hours.

## APPLICATION INSTRUCTIONS

Apply at product and background temperature ranging between +5°C and +25°C. Ready-to-use product – do not thin. Apply SATYN PP-84 Primer to the substrate using brush or roller. Binding (hardening) time for the product applied to the substrate (at the temperature of 22°C and 55% relative humidity) is ca. 24 hours. Protect the new layer against precipitation until it is completely dry. The product should be applied and left to dry in dry weather, with ambient temperature over +5°C. Low temperature and high humidity may slow down drying. In this case, refrain from applying plaster until the primer has dried and hardened completely. Wash the tools with water immediately after finishing work. Avoid working on surfaces exposed to direct sunlight and strong wind. In order to secure the drying layer against unfavourable influence of external factors, use proper safety netting on scaffolding.

## COMPOSITION:

Specially modified potassium water glass, fillers, performance additives.

## SHELF LIFE:

Store in a tightly sealed original packaging, in a cool place at temperatures above 5°C. Protect against frost. After work, seal the container tightly and try to use the remaining product as soon as possible. Product life in the originally sealed packaging is 12 months from date of manufacture (on the packaging).

## COMPLIANCE WITH RELEVANT STANDARDS:

The product complies with PN-C-81906 "Water-thinnable paints and impregnating agents".

Certified by the National Institute of Hygiene.

## PACKAGING:

Plastic buckets – 10 l.



### PP-84 TECHNICAL PARAMETERS

Mix ratio	do not thin
Product, substrate and ambient temperature [°C]	+5 to +25
Density [kg/dm³]	ca. 1,5
Coverage [l/m²]	ca. 0,20





## Primer for acrylic and mosaic plasters

### SATYN PP-85

optimum substrate preparation for acrylic plasters

#### APPLICATION

Product based on acrylic dispersion and mineral fillers, designed for optimum substrate preparation for acrylic plasters (SATYN PTA-36), mosaic plasters (SATYN PTA-56) and mineral plasters. SATYN PP-85 Primer is manufactured as a ready-to-use thick white suspension. It is designed for priming the base layer and reinforced layer prior to applying plaster. It can be used on all mineral substrates, both indoors and outdoors.

#### PROPERTIES

SATYN PP-85 Primer improves adhesion of the plaster, strengthens the substrate, reduces and unifies absorbency without impairing vapour-permeability; it facilitates plaster application and texture execution; dyed to match plaster colour, it effectively covers background colours and is characterised by excellent adhesion to mineral substrates; solvent-free, resistant to weather conditions, protects against algae and fungi. It prevents transfer of contaminants and discolouration from the substrate to external plaster.

#### BACKGROUND PREPARATION

The background must be stable, strong, clean, dry, free from contaminants and layers that are loosely bound to the background or that may affect adhesion (grease, adhesives, bitumen, dust, anti-adhesive agents, old paint and mortar residues, etc.); it must also be free from stains and blooms of biological or chemical origin (salt, corrosion). Check the background and remove any loose particles. In the case of smooth and non-absorbent concrete background contaminated with anti-adhesive agents – remove dust and greasy residue using water with detergent. Places exposed to microbial contamination (algae, mould, bloom, etc.) should be secured with biocidal agent and cleaned mechanically. Fill any gaps and irregularities, smooth out the surface with SATYN POS-27 adhesive mortar or levelling mortar. Optimally prepared background should be free from contaminants, scratches, salt residues; the surface should be levelled, cured and uniformly dry. Secure surfaces not intended to be primed. Before using the product in a thermal insulation system, execute the base coat in accordance with the method for providing seamless external building insulation. The product can be applied only after the reinforced layer has dried completely, which in normal conditions takes place after 3-4 days. The packaging contains ready-to-use product. Do not thin the product. Drying time is ca. 3 to 8 hours. Plaster application can start when the primer is completely dry, i.e. after ca. 24 hours.



#### APPLICATION INSTRUCTIONS

Apply at product and background temperature ranging between +5°C and +25°C. Ready-to-use product – do not thin. Apply SATYN PP-85 Primer to the substrate using brush or roller. Binding (hardening) time for the product applied to the substrate (at the temperature of +20°C and 55% relative humidity) is ca. 24 hours. Protect the new layer against precipitation until it is completely dry. The product should be applied and left to dry in dry weather, with ambient temperature over +5°C. Low temperature and high humidity may slowdown drying. In this case, refrain from applying plaster until the primer has dried and hardened completely. Wash the tools with water immediately after finishing work. Avoid working on surfaces exposed to direct sunlight and strong wind. In order to secure the drying layer against the unfavourable influence of external factors, use proper safety netting on scaffolding. While executing construction works always comply with the rules of the trade and with relevant European Standards.

#### COMPOSITION:

Acrylic resin, fillers, performance additives.

#### SHELF LIFE:

Store in a tightly sealed original packaging, in a cool place at temperatures above 5°C. After work, seal the container tightly and try to use the remaining product as soon as possible. Product life in the originally sealed packaging is 12 months from date of manufacture (on the packaging).

#### COMPLIANCE WITH RELEVANT STANDARDS:

The product complies with PN-C-81906 "Water-thinnable paints and impregnating agents". Certified by the National Institute of Hygiene.

#### PACKAGING:

Plastic buckets – 10 l.



#### PP-85 TECHNICAL PARAMETERS

Mix ratio	do not thin
Product, substrate and ambient temperature [°C]	+5 to +25
Density [kg/dm³]	ca. 1,5
Coverage [l/m²]	ca. 0,20

# PRIMERS

www.satyn.pl



## APPLICATION

SATYN PP-86 Primer is intended for priming the base layer and reinforced layer prior to applying SATYN PT-66 silicate-silicone plaster. It can be used on all mineral substrates, both indoors and outdoors. Do not apply on organic substrates.

## PROPERTIES

SATYN PP-86 Primer strengthens the substrate, reduces and unifies absorbency without impairing vapour-permeability; it facilitates plaster application; it is characterised by excellent adhesion to mineral substrates and high resistance to weather conditions. The primer is manufactured as a ready-to-use thick mass – white or dyed according to the manufacturer's colour range.

## BACKGROUND PREPARATION

The background must be stable, strong, clean, uniformly dry, free from contaminants and layers that are loosely bound to the background or that may affect adhesion (grease, adhesives, bitumen, dust, anti-adhesive agents, old paint and mortar residues, etc.); it must also be free from stains and blooms of biological or chemical origin (salt, corrosion). Check the background and remove any loose particles. In the case of smooth and non-absorbent concrete background contaminated with anti-adhesive agents – remove dust and greasy residue using water with detergent. Places exposed to microbial contamination (algae, mould, bloom, etc.) should be secured with biocidal agent and cleaned mechanically. Fill any gaps and irregularities, smooth out the surface with SATYN POS-27 adhesive mortar or another product suitable for the substrate. Optimally prepared background should be free from contaminants, scratches, salt residues; the surface should be levelled and uniformly dry. Secure surfaces not intended to be primed. The product can be applied only after the base or reinforced layer has dried completely, which in normal conditions takes place after 3-4 days for thermal insula-

## Primer for Si-Si silicate-silicone plasters

### SATYN PP-86

for priming the base layer and reinforced layer prior to applying SATYN PT-66 silicate-silicone plaster

tion systems and 3-4 weeks for cement-lime coats. The packaging contains ready-to-use product. Do not thin the product. Drying/hardening time is up to 24 hours. Plaster application can start when the primer is completely dry, i.e. after ca. 24 hours.

## APPLICATION INSTRUCTIONS

Apply at product and background temperature ranging between +5°C and +25°C. Ready-to-use product – do not thin. Apply SATYN PP-86 Primer to the substrate using brush or roller. Binding (hardening) time of the product applied to the substrate (at the temperature of +20°C and 55% relative humidity) is ca. 24 hours. Protect the new layer against precipitation until it is completely dry. The product should be applied and left to dry in dry weather, with ambient temperature over +5°C. Low temperature and high humidity may slow down drying. In this case, refrain from applying plaster until the primer has dried and hardened completely. Wash the tools with water immediately after finishing work. Avoid working with surfaces exposed to direct sunlight and strong wind. In order to secure the drying layer against unfavourable influence of external factors, use proper safety netting on scaffolding.

## COMPOSITION:

Specially modified potassium water glass, water-based acrylic and silicone dispersion, fillers, performance additives.

## SHELF LIFE:

Store in a tightly sealed original packaging, in a cool place at temperatures above 5°C. After work, seal the container tightly and try to use the remaining product as soon as possible. Product life in the originally sealed packaging is 12 months from date of manufacture (on the packaging).

## COMPLIANCE WITH RELEVANT STANDARDS:

The product complies with PN-C-81906 "Water-thinnable paints and impregnating agents".

## PACKAGING:

Plastic buckets – 10 l.



PP-86 TECHNICAL PARAMETERS	
Mix ratio	do not thin
Product, substrate and ambient temperature [°C]	+5 to +25
Density [kg/dm³]	ca. 1.5
Coverage [l/m²]	ca. 0,2 - 0,3



## Primer for silicone plasters

### SATYN PP-87

for priming the base and reinforced layer prior to applying SATYN PT-76 silicone plaster

#### APPLICATION

SATYN PP-87 Primer is designed for executing the base layer for SATYN PT-76 silicone plasters. It can be applied to all mineral substrates, e.g.: concrete, cement plasters, cement-lime plasters as well as lime plasters.

#### PROPERTIES

SATYN PP-87 strengthens the substrate and protects it against unfavourable influence of the new coat; it lowers the probability of discolouration in plasters, and reduces absorbency without impairing vapour-permeability; it facilitates plaster application; it is characterised by excellent adhesion to mineral substrates. The primer is manufactured as a ready-to-use thick mass – white or dyed according to the manufacturer's colour range.

#### BACKGROUND PREPARATION

The background must be stable, strong, clean, uniformly dry, free from contaminants and layers that are loosely bound to the background or that may affect adhesion (grease, adhesives, bitumen, dust, anti-adhesive agents, old paint and mortar residues, etc.); it must also be free from stains and blooms of biological or chemical origin (salt, corrosion). Check the background and remove any loose particles. In the case of smooth and non-absorbent concrete background contaminated with anti-adhesive agents – remove dust and greasy residue using water with detergent. Places exposed to microbial contamination (algae, mould, bloom, etc.) should be secured with biocidal agent and cleaned mechanically. Fill any gaps and irregularities, smooth out the surface with SATYN POS-27 adhesive mortar or another product suitable for the substrate. Optimally prepared background should be free from contaminants, scratches, salt residues; the surface should be levelled and uniformly dry. Secure surfaces not intended to be primed. The product can be applied only after the base or reinforced layer has dried completely, which in normal conditions takes place after 3-4 days for thermal insulation systems and 3-4 weeks for cement-lime coats. The packaging contains ready-to-use product. Do not thin the product. Drying/hardening time is up to 24 hours. Plaster application can start when the primer is completely dry, i.e. after ca. 24 hours.

#### APPLICATION INSTRUCTIONS

Apply at product and background temperature ranging between +5°C and +25°C. Ready-to-use product – do not thin. Apply SATYN PP-87 Primer to the substrate using brush or roller. Binding (hardening) time of the product applied to the substrate (at the temperature of +20°C and 55% relative humidity) is ca. 24 hours. Protect the new layer against precipitation until it is completely dry. The product should be applied and left to cure in dry weather, with ambient temperature over +5°C. Low temperature and high



humidity may slow down drying. In this case, refrain from applying plaster until the primer has dried and hardened completely. Wash the tools with water immediately after finishing work. Avoid working with surfaces exposed to direct sunlight and strong wind. In order to secure the drying layer against the unfavourable influence of external factors, use proper safety netting on scaffolding.

#### COMPOSITION:

Specially modified potassium water glass, water-based acrylic and silicone dispersion, fillers, performance additives.

#### SHELF LIFE:

Store in a tightly sealed original packaging, in a cool place at temperatures above 5°C. Protect against frost. After work, seal the container tightly and try to use the remaining product as soon as possible. Product life in the originally sealed packaging is 12 months from date of manufacture (on the packaging).

#### COMPLIANCE WITH RELEVANT STANDARDS:

The product complies with PN-C-81906 "Water-thinnable paints and impregnating agents".

#### PACKAGING:

Plastic bucket – 10 l.



PP-87 TECHNICAL PARAMETERS	
Mix ratio	do not thin
Product, substrate and ambient temperature [°C]	+5 to +25
Density [kg/dm³]	ca. 1,5
Coverage [l/m²]	ca. 0,2 - 0,3

