

Primer filler for sacrificial and permanent anti-graffiti systems

Product description:

PX 07 is a single-component, colourlessly drying dispersion of styrene-acrylic copolymer. It is used for priming absorptive, mineral substrates before application of anti-graffiti coating, which minimises or prevents the covered surface from darkening. It also enhances and evens out its absorptiveness. The product perfectly penetrates into the surface while improving its adhesive properties thanks to small size dispersion particles. PX 07 allows diffusion, has hydrophobic properties, protects the surface from penetration by hazardous substances and is UV and erosion resistant.

Technical data:

Density: 1.00 g/cm³

Capillary absorption: $\leq 0,1 \text{ kg}\cdot\text{m}^{-2}\cdot\text{h}^{-0.5}$ (PN-EN 1062-3)

Water vapour permeability: $\leq 4 \text{ m}$ (PN-EN ISO 7783)

CO₂ permeability: $\geq 50 \text{ m}$ (PN-EN 1062-6)

Appearance: white emulsion

Technical data on application:

On drying, the primer constitutes a transparent film, hardly visible or entirely invisible depending on the surface type, amount of sunlight and incidence angle.

The product shows lack of significant reduction in water vapour diffusion, UV resistance, resistance to alkalis, dries without becoming sticky.

Product key qualities:

- prevents colour deepening and changes
- enhances the surface, paint layers, soft natural stone substrates
- stabilises and evens out absorptiveness of all absorptive substrates
- improves paint adhesion to the surface and the paint layer durability
- improves surface coatings application rate
- ensures perfect adhesion to various mineral substrates
- improves surface resistance to erosion
- increases coating hydrophobic properties
- penetrates well into substrates
- is extremely durable

Areas for application:

PX 07 can be used both on smooth and porous absorptive substrates.

Thanks to extremely small particle size it can be recommended for most absorptive mineral substrates such as: concrete, cement, mortar, plaster boards, brick, clinker and natural stone e.g. sandstone, travertine and granite. The product is highly resistant to alkalis so it can be applied on cement or cement-lime mortar. It can also be used prior to application of other paint coats. Due to the variety of covered substrates it is advisable to test the product's reaction with the surface first, before its actual application.

Substrate:

The surface must be dry and cleaned of all atmospheric impurities, dirt, hazardous substances, oils and fats, as well as biological and organic efflorescence.

Residues of cleaning agents after application may have adverse influence on PX 07 performance; therefore they have to be removed entirely. The parts of elevation, which should not be in contact with the product, should be covered with e.g. building foil.

Application Method:

After opening the container stir all the contents thoroughly. On pouring out a suitable portion, close the lid firmly to prevent water from vaporising and a film from forming on the surface.

PX07 application:

- surrounding temperature +5°C to +30°C
- relative air humidity: up to 90%
- substrate humidity: below 6%

The temperature must be stable and remain within the appropriate range throughout the drying period. The product must be applied thoroughly filling all cracks and irregularities in the surface. Negligence this may result in the surface darkening, which can be visible after application of the anti-graffiti coating.

The product can be applied in one or two layers, depending on the surface:

- very absorptive substrates e.g. concrete should be painted twice
- low absorptive substrates e.g. granite should be painted once
- substrates previously hydrophobicized can be painted once or twice

Drying time PX07 at 22°C:

- 10 min. dust-dry
- 20 min. touch-dry, externally cured, no fingerprints left when touched
- 40 min. cured

Allow for about 1 hours' break between applying the first and second layers at the temp. of 22°C. All layers should be applied in one working cycle. Protected primed substrate from rain until the coating is applied. Anti-graffiti coating should be applied to the primed substrate after complete evaporation of water or dry the substrate, min.1 hour.

If streaks or splatters appear, they should be smoothed with a roller before drying.

The preparation can be used in ventilated room.

Application:

- paint rollers, brushes
- pneumatic/airless spraying method, nozzle 12 to 18
- exception are hydrophobicized surfaces – in this case apply PX07 primer with a roller. Spray application may cause the “beading” effect on the surface

Wear:

On absorptive substrates, two layers is the optimum application.

Theoretical application rate: **8,3 m²/L** (120 ml/m²) up to **16,5 m²/L** (60 ml/m²)

Theoretical application rate refers to approximate values indicating extreme consumption amounts which differ according to the type of surface the product is applied to.

Absorptive substrates:

approx. **8,3 m²/L** (120 ml/m²) per two layers, e.g. sandstone, concrete.

Low absorptive substrates:

approx. **16,5 m²/L** (60 ml/m²) per one layer, e.g. engineering concrete, granite.

Practical application rate - depends on individual applications in particular cases, incl. conditions existing during application, method of application, shape and roughness of protected surface and also base absorptiveness and loss during application.

Packaging:

Plastic: 1 L, 5 L, 10 L, 20 L.

Storage:

In temperatures from +5 to +25°C. Do not expose to sunlight. Protect against freezing.

Shelf-life:

12 months in closed original packaging.

Cleaning:

Use warm water for cleaning painting tools.

Hazard and safety instructions:

Pay attention to surroundings and follow rules for working with chemicals. Keep out of the reach of children. Wear protective gloves, goggles and clothes while using the product.

Labelling:

Does not require labelling.

ADR/RID: the product is not classified as hazardous in transport.

Further information:

Information on safety in transport, storage and application as well as utilization and environmental protection is available in the product Safety Data Sheet.

All the above data has been developed in our production department according to our knowledge and application techniques. As the usage types and methods of application are beyond our supervision, no liability of the producer can be derived from the contents of this information sheet. Considering various circumstances occurring in product application, the user should not depart from testing the product and should follow applicable regulations at his/her own responsibility.

Last updated: 31 May 2023

The present issue of Technical Data Sheet renders older issues invalid.