



main properties

- One coat application;
- No mist coat is required;
- Extremely resistant to wet scrubbing and washing;
- Black mould resistant;
- Spot repairable without visible flash;
- LEED/BREEAM certified;
- Vapour permeable;
- Adhesion to the substrate by chemical reaction;
- No flaking or delimitation;
- Suitable for swimming pools;
- Noble matt finish;
- Microporous structure - can be applied on not fully dry substrates;
- Flame retardant - Cat. A.

product description and areas of application

Terrix® IP-ST-P paint is based on innovative Swiss technology combining silicate and dispersion binding agents. Due to its vapour permeable characteristic, it allows walls to receive and give off moisture naturally. In "wet rooms" (such as kitchens, bathrooms, laundry rooms, and basements), the excess moisture in the air may be easily reduced. Another essential property of the paint is its resistance to microbial contamination (e.g. black mould). Its very high Ph level offers natural and far better protection than other systems. The paint is resistant to cracking and flaking as its bonds to the substrate by chemical reaction; Traditional paints create a film on top of a substrate which can lead to peeling or cracking.

Due to the lack of organic components in the paint and pigments used for colouring, Terrix® IP-ST-P is a flame retardant.

In contrast to most paints on the market and all standard emulsion paints, Terrix® IP-ST-P protects against the spread of flame. The mineral character of the paint makes it fully incombustible.

The high alkalinity of the product delivers natural and long-lasting protection against algae and black mould growth.

The paint is very high resistance to wet scrubbing and washing. The product exceeds Category I (BS-EN-13300) requirements and is suitable for use in heavy-traffic areas.

Spot repairs - the product can be easily spot repaired without leaving any visible patches, which is usually impossible to achieve with all other deep matt or matt paints available on the market.

Natural regulation of moisture levels due to microporous structure enabling the "free" travel of moisture and use of hygroscopic properties of the wall. Lower moisture levels mean less expensive heating and a lower risk of developing asthmatic health conditions.

technical data

Base binder: copolymer binder and potassium sodium silicate;

Pigments: non-organic coloured pigments;

Density: approx. 1.60 g/cm³;

Colours: white and selected colours from the PCC colour chart as well as custom pastel colours;

Gloss level: deep matt;

Diluent: water;

Average consumption: approx. 0.22 l/m² (two coats on a smooth surface);

Temperature of application (air and substrate): from +5°C to +25°C;

Relative diffusive resistance (coat thickness 140µm): S_d = 0.02 m;

VOC content: cat A/va. The product contains less than 30 g/l VOC;

Coefficient of surface absorbability: w = 0.058 kg/m²h^{0.5};

Maximum application relative air humidity: ≤80%;

Resistance to scrubbing while wet: class I paint (according to the EN-C-81914: 2002 standard);

Packaging: single-use plastic packaging of 10 l;

Storage: the product should be stored in its original sealed packaging in a cool, dry and frost-protected room. After opening and using some of the contents, the packaging should be resealed, and the remainder of the product should be used as soon as possible;

Shelf life: 12 months from the date of production (factory-sealed packaging).

CAUTION: Keep the product out of reach of children.

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Since the use and processing of the product is not under our direct influence, we are not liable for damages caused by its misuse. We reserve the right to make changes as a result of technical progress.

application

Substrate preparation:

The substrate must be stable (no scratches and cracks), degreased, clean, dry and free from stains and efflorescence of biological or chemical origin. In the case of microbial contamination, the substrate should be cleaned mechanically and then washed with a biocide solution to remove microbial contamination. Discolourations, nicotine stains, and efflorescence resulting from water seepage are to be initially painted with the Terrix® IP-SB stain blocker. All loose layers not connected with the surface (loose render or flaking paint coatings) are to be removed. The remnants of adhesive or lime paints must be thoroughly removed and washed with water.

New cement and limestone renders can be painted only after a two-week seasoning and gypsum-based plasters after one week. Seasoning is not required for plasterboards.

Note: Directly before applying the paint, surfaces made from materials susceptible to alkalis (such as wood, metal, glass, or clinker bricks) should be protected against splashing.

Preparation:

The packaging contains a ready-to-use product. If necessary, the paint can be diluted with a small amount of water (20-30% volume for the first coat and 5-15% for the second coat - if applied manually).

When determining the amount of water to be used, the type of substrate, drying conditions, and application technique must be considered.

Note: Mixing Terrix® IP-ST-P paint with other paints may affect the technical properties of the product.

Application method:

The paint should be applied to the surface in two layers using a paintbrush or roller or in one coat through spraying (including the "airless" method). A fleece paint roller with a hair length of 18 mm is recommended. The second layer of paint should be applied only after the first layer has dried.

Airless spraying:

Manufacturer	Device	Tip	Pressure [bar]	Filter [mesh]	Dilution [%]	Output [l/min]
WAGNER	ProSpray 3.21	0552-517	200	60	20+30	1.25
TITAN	Titan 450e	661-517	200	60	10	1.25
GRACO	StMax II 495	PAA 517	200	60	10	2.3

Drying:

The drying time of one layer of paint (at a temperature of +20°C and relative air humidity of 55%) amounts to about three hours. Complete binding (hardening) of the applied paint takes place after a minimum of 24 hours. Closed rooms should be aired after painting until the distinctive smell is gone.

Note: Low temperature and high air humidity lengthen the drying time of the paint.

Useful hints:

Colour differences may be avoided by applying a single product batch to the entire wall or element in one working cycle. Product to be used with temperatures above +5°C.

All tools are to be cleaned with water after finishing work.

Low temperatures and high air humidity may have a disadvantageous influence on the shade of the coating.