



# Terrix® EC-PS



polymer-silicate  
external coating  
premium matt

## main properties

- Extended resistance to dirt due to the lack of surface electrostatics;
- Highly extended lifespan vs silicone and acrylic-based paints;
- Bonding to the substrate by chemical reaction - no risk of flaking or delamination;
- High resistance to algae growth;
- Full vapour permeability;
- High resistance to elements;
- Low water absorption;
- Suitable for spray application (up to 5 times faster);
- Ideal for any mineral substrates and painted substrates.

## product description and areas of application

The polymer-silicate external coating is based on specially modified potassium water glass, designed as a top coat for façades, Terrix® render systems and EWI systems. Due to its properties is particularly recommended as a new or renovation coating for mineral substrates (such as traditional lime, lime-cement and cement renders and thin-coat mineral, silicate and polymer-silicate renders).

## technical data

**Basic binder:** specially modified potassium water glass;  
**Pigments:** UV and weather-resistant, inorganic colour pigments;  
**VOC content:** cat. A/c. The product contains less than 40 g/l VOC;  
**Density:** approx. 1.50 g/cm<sup>3</sup>;  
**Colours:** white, Terrix® colour chart, NCS or based on the sample provided;  
**Gloss level:** matt;  
**Diluent:** water;  
**Average consumption:** approx. 0.33 l/m<sup>2</sup> (double coating on a smooth surface);  
**Temperature of application (air and substrate):** from +5°C to +25°C;  
**Maximum relative humidity during application:** ≤75%;  
**Relative diffusion resistance for 150 µm coating:** S<sub>d</sub> = 0.04 m (standard requirement S<sub>d</sub> ≤ 2.0 m);  
**Surface water absorption coefficient:** w = 0.05 kg/m<sup>2</sup> · h<sup>0.5</sup> (standard requirement w ≤ 0.5 kg/m<sup>2</sup> · h<sup>0.5</sup>);  
**Packaging:** single-use plastic packaging of 10 l;  
**Storage:** store in the tightly sealed, original packaging in a cool area, ensuring protection against frost. Opened packaging should be tightly closed and used as quickly 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.

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## application

### Substrate preparation:

Apply to a sound, clean substrate (without cracks and delaminations), degreased, even, dry, and biological or chemical efflorescence free). The substrate should be free of algae/fungi growth.

In case of microbial contamination, the substrate should be cleaned with a power washer. Subsequently, a biocide solution for removing microbial contamination is to be applied as per the product manual. Any loose layers not bound to the substrate (such as loose plasters or flaked paint coats) should be removed. Wash and degrease old and/or dirty substrate with water and a cleaning agent. If there are any significant irregularities to the substrate, these should be levelled out using a levelling compound. Minor irregularities can be levelled with levelling render.

**PRIMING:** Before paint application, absorbent or dusty (strongly chalking) substrates should be primed with Terrix® PR-PS-P. Once the primer is completely dry (approx. 12h), Terrix® EC-PS may be applied.

**Note:** the primer coat may not be applied on newly completed mineral substrates (i.e. cement, concrete, and lime mortar renders) - min.: 2 weeks curing period is required.

### Preparation:

The packaging contains a ready-to-use product. If required, add a small amount of clean water: max. 10% for the first coat and max. 5% for the second coat (quantity of added water may vary for different substrate types, weather conditions and application methods).

### Application method:

Apply the product in two coats by brush, roller or spray (including the "airless" method). Apply the second coat after the first coat has completely dried, i.e. at least 24 hours. Use mechanical spraying only in windless conditions. It is recommended to use a special roller for facade paints made of woven polyamide with a minimum pile length of 18 mm.

### Airless spraying:

Manufacturer	Device	Nozzle/tip	Pressure[bar]	Filter [mesh]	Dilution [%]	Output [l/min]
WAGNER	ProSpray 3.21	0552-519	200	60	10+20	1.25
TITAN	Titan 450e	661-519	200	60	10	1.25
GRACO	UltraMax II 795	PAA621	170	60	5	3.6

### Drying:

One coat of paint is applied to the substrate (at a temperature of +20 °C and relative humidity of 55%) and dries in about 3 hours. It takes at least 24 hours for the Terrix® EC-PS to set (cure) fully.

**Note:** Low temperatures and high humidity increase the drying time of the paint. Protect the newly applied paint from precipitation and condensation until completely dry.

Colour differences may be avoided by applying a single product batch to the entire wall or element in one working cycle. During the application and drying of the paint, it should be dry with the air temperature between +5°C and +25°C.

Work should not be carried out on surfaces exposed to direct sunlight, strong winds or high humidity. To protect the freshly applied product from the weather, it is recommended to use suitable protective nets on scaffolding.

### ADDITIONAL OPTIONS:

To maximise the product's resistance against algae and mould growth (especially when renovating EWI systems and when painting facades in shaded areas with increased humidity and high plant concentration), a unique formulation can be used (for an additional surcharge).

When applying to substrates with cracks up to 0.3 mm (e.g. shrinkage cracks in render), it is recommended to use Terrix EC-PS-RN microfibre reinforced coating for the renovation.