



main properties

- No flaking or cracking;
- High resistance to elements;
- Very high resistance to dirt;
- Flame retardancy;
- Very high resistance to yellowing;
- Natural algae resistance;
- Very low water absorption;
- Micro crack bridging.

product description and areas of application

Terrix® renovation coating is based on innovative Swiss, patented technology converting potassium water glass into a polymer. The polymer-silicate coating offers all advantages of well known silicate coatings without limitations related to the application process (silicate coatings are very often used for the renovation of historic/listed buildings due to their longevity). Due to its mineral characteristic and lack of surface electrostatics, the product is the most dirt-resistant type of coating/paint on the market. It will never delaminate as it is adhered to a substrate by a chemical reaction.

Due to the content of special micro-fibres, it efficiently bridges scratches and cracks in the substrate with a width of up to 0.3 mm.

Another important property of the render is its built-in high resistance to microbial contamination (e.g. algae) and efflorescence. Terrix® EC-PS-RN is recommended for use in coastal areas where exposure to elements is high. The coating is flame retardant.

Terrix® EC-PS-RN is being used for the restoration of the most beautiful historical and listed building in Europe.

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. 1.60 g/cm³;
Colours: white, Terrix® colour chart, pastel colours as per samples provided;
Gloss level: matt;
Diluent: water;
Average consumption: approx. 0.25 l/m²;
Temperature of application (air and substrate): from +5°C to +25°C;
Relative humidity: ≤75%;
Relative diffusion resistance for 150 µm coating: S_d = 0.04 m (standard requirement S_d ≤2.0 m);
Surface water absorption coefficient: w = 0.05 kg/m² · h^{0.5} (standard requirement w ≤ 0.5 kg/m² · h^{0.5});
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.

application

Substrate preparation:

Apply to a sound, clean substrate, 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-RN 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. Do not dilute. Directly before using, mix thoroughly.

Application method:

Apply paint onto the surface using a paintbrush or roller until the desired coating thickness is achieved.

Each element of the façade should be painted in one working cycle, with paint from one production batch.

It is recommended to use a special paint roller made of polyamide fabric with bristles of at least 18 mm.

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-RN 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.

Useful hints:

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.