

## main properties

- A part of Terrix<sup>®</sup> winter systems and carpark insulation system;
- 1h wash-off resistance - regardless of weather conditions;
- 1.5mm texture;
- High vapour permeability;
- To be used with Terrix<sup>®</sup> EC-PS external coats;
- Very good value;
- Quick spray application.

## product description and areas of application

Dry, mineral texture coat for spray application. For external and internal use. Terrix<sup>®</sup> RD-MN-S 1.5 is suitable for both new build and retrofit and can be applied to mineral and synthetic substrates (e.g. concrete, cement and limestone renders), a substrate covered with sound synthetic coatings. Recommended for Terrix mineral wool-based EWI systems and Terrix Carpark Ceiling System CIS-1.

Before application, the substrate must be primed with Terrix<sup>®</sup> PR-MN-R. Two coats of Terrix<sup>®</sup> EC-PS polymer-silicate top coat are recommended for the best results.

The product is highly recommended for application during the autumn-winter season due to its very fast wash-off resistance (1h from application time), regardless of external conditions (e.g. low temperature, high relative humidity).

## technical data

**Base binder:** a mixture of hydraulic binders with the addition of modifiers reinforced with microfibres;

**Colours:** white;

**Texture grained:** 1.5 mm;

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

**Bending tensile strength, compressive strength:** CS IV;

**Adhesive strength of mortar on a concrete slab:**  $\geq 1,6$  N/mm<sup>2</sup>;

**Water absorption coefficient due to capillarity action:** W2;

**Mixing ratio:** approx. 6 litres of water per 25 kg of mortar;

**Density:** approx. 1.50 g/cm<sup>3</sup>;

**Consumption:** approx. 2.0-2.2 kg/m<sup>2</sup>;

**Vapour permeability coefficient:**  $\mu \leq 34.9$ ;

**Reaction to fire:** A1;

**Packaging:** Single-use paper packaging contains 25 kg of the product;

**Storage:** store in the tightly sealed, original packaging in a cool area, ensuring protection against frost;

**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 and 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 and a high-quality biocide. The substrate must be protected against capillary action, moisture intake and precipitation.

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 render or flaked paint coats) should be removed. Wash and degrease old and/ or dirty substrate with water and a cleaning agent.

Any uneven substrates should be levelled using a levelling compound or a base coat first. Absorbent substrates should be primed with Terrix<sup>®</sup> PR-AC-P before levelling compound application.

### Priming:

The substrate should be primed with Terrix PR-MN-R prior to the application of the mortar. Under optimum weather conditions (temperature +20 °C and relative humidity 55 %), the primer applied to the substrate has a drying time of 24 hours. Once the primer has cured completely, the mortar can be applied.

**Note:** Before spraying, protect all elements that could be contaminated, especially pipes and installation components, with a protective film.

### Preparation:

The product has to be mixed with water. Follow the spray pump manual. Depending on the type and parameters of the aggregate used, it may be necessary to adjust the consistency of the render to the requirements of the spray pump by adding a small amount of water.

### Application method:

Machine application should be carried out using an appropriate spray pump. The gun should be led perpendicularly to the substrate at approximately a distance. 0.4 m - 0.6 m. In the ceiling insulation system, spraying the decorative layer on the primed surface of chamfered lamella wool boards should be performed in two stages. In the first stage, it is necessary to cover the working area by guiding the spray lance with a slight inclination in relation to the vertical in one direction. Then, in the next stage, perform a second spray with the slope in the opposite direction.

**Note:** The product is alkaline. Therefore, it is necessary to protect the eyes and skin. Safety clothing (PPE) must be worn during installation work. In case of contact with eyes, immediately rinse them thoroughly with plenty of water. If irritation develops, seek medical assistance.

### Drying:

The rendered complete curing time is assumed to be 7 days (typical drying conditions 20°C, 65% RH). The product is rain wash-off resistant in less than 2 hours from the application.

Note: Low temperature and high relative humidity may prolong drying time.

### Useful hints:

During the application and setting of the mortar, the weather should be rain-free with an air temperature of +5 °C to +25 °C. Do not work on surfaces in direct sunlight and strong winds. Using suitable protective nets or tarpaulins on scaffolding is recommended to protect the unbonded render coating from the harmful effects of weather conditions.

Wash the tools immediately with water after the work is finished.