

PRODUCT DESCRIPTION

Pre-mixed, powdered, cement and resin dispersion-containing, shrinkage-compensated, fiber-reinforced, hydraulically bonded, self-leveling substrate leveler for manual and machine processing. According to EN 13813 CT-C25-F5, fire protection class: A1fl. For creating smooth indoor surfaces, gluing cold coverings and before laying warm coverings (PVC, carpet, linoleum, rubber covering, non-glued parquet, floating wooden floors) on cement screed and concrete surfaces in old and new buildings up to a layer thickness of 2-15 mm. Due to its good spread and fine grain structure, it is especially suitable for leveling thin substrates (from 2 mm). It is also suitable for floor heating and wheelchair loads.

Storage:

In a frost-free, cool and dry environment on wooden racking in the unopened container.

12 months from date of production. Date of production is printed on packaging.

Delivery Method:

Container	Outer Packaging	Pallet
25kg/ Paper bag	-	48 pcs.

PROCESSING

Recommended tools:

Slow-speed electric mixer, suitable size, clean mixing bowl, floor trowel, screed trowel, trowel, squeegee, spiked roller, nail shoes.

Mixing:

Add the material to the measured amount of water in a clean mixing bowl and mix with a mixer operating at a slow speed until homogeneous and lump-free (mixing time: approx. 3 minutes). The material must be mixed or added in the specified mixing ratio/ dosage. A scale or a measuring bucket is required for partial amounts. Adding too much mixing water leads to a decrease in final strength and poor adhesion of the subsequent layer.

Mixing ratio: approx. 6 liters of water (equivalent to approx. 0.24 l/kg) per 25 kg bag RS-FLEX substrate leveller.

Processing:

The freshly mixed material must be poured onto the properly prepared base surface in one layer at the desired layer thickness (2-15 mm) in one session and spread evenly using a screed trowel or squeegee. It is necessary to use a spiked roller.

TECHNICAL DATA

Property	Result
Can be walked on	3 hrs approx. depending on layer thickness up to 15mm
Ready for laying	24hrs approx (up to 5mm). After 48hrs (over 5mm)
Consumption	1.5kg/m ² /mm
Layer thickness	min. 2mm- max. 15mm
Processing time	20-30 mins approx.
Water consumption	Approx. 6L / 25 kg bag
Compressive strength	min. 25 N/mm ²
Flexural strength	5 N/mm ²

SUBSTRATE

Suitable substrates:

- Standard mineral substrates
- Cement screeds and concrete floors
- Dry screed elements based on cement

It cannot be used on: wood, metal, plastic, or outdoors and in places with a risk of frost.

The substrate must be dry, free of frost, solid, load bearing, dimensionally stable and free of dust, dirt, oil, grease, solvents and loose parts and correspond to the applicable technical National and European guidelines, standards as well as meet the "generally accepted rules of the trade".

Advice must be sought through OMNIE technical before work commences if any doubt or confusion exists.

Preparation:

Weakly adhering old adhesive residues must be removed. Layers with inadequate strength (e.g. cement milk, loose cement residues; weak, soft, thin calcium sulfate layer) must be removed before application, e.g. grinding, milling, shot blasting, then dust removal is required. The base surface must be prepared with appropriate mechanical procedures and then dust-free. In the case of screed with calcium sulfate (gypsum) binder, after application approx. They can be sanded for 7-10 days until the additive grains are not visible.

PRODUCT AND PROCESSING INFORMATION

Material information:

- Acclimatise materials accordingly before processing.
- To retain the product properties, no foreign materials may be mixed in.
- Water dosing amounts or thinning specifications must be precisely kept.
- Check coloured products before use for colour accuracy.
- Colour consistency can only be guaranteed within the same batch.
- Colouration is significantly affected by environmental conditions.
- Mixed material that has already started to stiffen may not be diluted further and replaced with fresh material.

Environmental information:

- Do not process at temperatures below + 5 °C
- The ideal temperature range for material, substrate and air is +15 °C to +25 °C.
- The ideal relative air humidity range is between 20% to 60%.
- Increased humidity and/or lower temperatures delay, lower air humidity and/or higher temperatures accelerate drying, setting and hardening.
- Ensure sufficient ventilation during the drying, reaction and hardening phase; avoid draughts.
- Protect from direct sunlight, wind and weather.
- Protect adjacent components.

Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Observe the product data sheets of all products used in the system.
- Keep a genuine original container of the respective batch for later repair work.
- For heated screeds, a standard heating procedure must take place before laying.
- The underfloor heating system may not be switched on during the processing and hardening.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

SAFETY INSTRUCTIONS

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale.

The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities.

Information that is assumed to be familiar to experts has been omitted.

Please observe the current, technical, National and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt. This version is rendered invalid if a new version is released.