

Product data sheet

Product

Robust™ Sementmembran – 1k

Description

Single-component, flexible, universally applicable bonding-sealant for underneath tiles, composite sealing and building rules list. For outdoor and indoor applications. As an alternative sealant under tiles and slabs in areas affected by moisture, both indoors and outdoors. On balconies and patios, for example. For sealing surfaces in damp and wet rooms. For laying as a sealant on concrete, aerated concrete, cement plaster, lime-cement plaster, masonry, gypsum plasterboard, gypsum fibreboard, gypsum plaster, underfloor-heating screeds, old tiled surfaces, natural stone etc.

For sealing swimming pools and water tanks of solid construction. Approved for use up to a water depth of 6 m in accordance with current test requirements. For sealing structures in contact with the soil. For use on its own as a sealant for structures, Interior sealing of basements with negative water pressure. Can be used in conjunction with Robust™ Flimslim - Lett tile adhesive.

- Single-component.
- Easy to spread and suitable for trowel or spray application.
- Quick drying.
- For universal use, also for sealing structures.
- Crack-bridging.
- Impermeable to water and compatible with silicone.
- Water-vapour permeable.
- Good deformation capacity and stress compensation.
- Resistant to frost and ageing.
- For indoor and outdoor use.
- For walls and floors.

Preparation

The subsurface must be sound, load-bearing, dimensionally stable and clean. Layers and contamination that could reduce bonding must be carefully removed. Existing wallpaper residues, coatings or plaster that is not load-bearing must be removed. Pre water or prime the subsurface. Choose the right primer.

Absorbent surfaces like screed, concrete, masonry, chipboard and gipsumbased boards are primed with Robust™ Primer - Sugende. Strong absorbent surfaces should be primed several times until

the surface is non absorbent. The primer dries quickly and the floor can be covered after approx. 30 min.

Non absorbent surfaces like floorpaint, tiles and other non absorbent surfaces should be primed with Robust™ Primer - Ikke sugende. Smooth surfaces should be grinded down before the primer is applied. The primer dries fast and can be covered after approx. 1 hour.

Calcium sulphate bound subsurfaces (such as gypsum plaster or anhydrite screed) must always be pretreated with Robust™ Primer - Sugende. The primer must be completely dry before the Robust™ Sementmembran 1k is applied.

Mixing

For a 20 kg bag, fill approx. 3.5-5 litres of tap water into a clean work container. Then add the material and mix to a lump-free homogeneous mass using an agitator or mixing tool. Allow the fresh mortar to settle for approx. 3 minutes and where required, mix again. Do not mix more fresh mortar than you can lay within approx. 1 hour. Mortar that is already developing rigidity may not be diluted with water or mixed with dry powder.

Application

All movement and connection joints must be sealed using Robust™ flexible sealing tape or Robust™ Preformed Sealing Corners before the Robust™ Sementmembran 1k flexible sealing slurry is applied. Floor inlet gratings and pipe penetrations must be sealed with Robust™ sealing sleeves.

Robust™ Sementmembran 1k flexible sealing slurry must be applied in at least two layers using smoothing, trowelling or spraying techniques. Apply the sealing slurry in layers of even thickness. Depending on the weather conditions, a drying period of approx. 3 hours must be maintained after applying the first layer. The total thickness (when dry) must be at least 2 mm and may not exceed 5 mm. Ceramic tiles can be laid on the finished layer after approx. 24 hours. In outdoor situations, the Robust™ Sementmembran 1k must be completely dry (approx. 1- 3 days depending on the weather conditions) before applying any protective coatings and before backfilling with soil. When filling with material, make sure that no water-bonding soil (lime) rests against the sealing surface. With this type of ground condition, apply an approx. 50 cm wide area with water-permeable filling material lengthwise in front of the seal. The coating must have hardened sufficiently and have sufficient protection before filling (trowel plaster, protection or drainage panels); avoid point or linear shaped loads. For applications involving pressing water (e.g., swimming pools) the thickness of the dry layer may not be less than 2.5 mm. In this case, the Robust™ Sementmembran 1k flexible sealing slurry must be applied in at least 3 layers.

Consumption

Approx. 1.2 kg/m² is required for each mm thickness of dry layer. For an average thickness of 2 mm, therefore, approx. 2.8 kg/m² are required.

Finishing

Do not process at air, material and subsurface temperatures below +5°C or above +25°C. Freshly applied material must be protected from drying out too quickly and from unfavourable weather conditions (such as strong sunlight, frost, or rain, etc).

Storage

Up to 12 months in unopened original packaging. Must be stored dry.

Technical data

The technical details are valid at +23°C and 50% relative humidity.

Processing time: approx. 1 hour.

Consumption: 1,2 kg/mm/m²

Water vapor diffusion resistance factor: 500μ

Water required: approx. 3,5-5 liters per 20 kg bag.

Resting time: approx. 3 min.

Thickness: approx. 2,5mm. Max: 5mm.

Crack bridging: 0,4mm (with a 2mm thick layer).

Drying time: approx. 3 hours.

Covering: approx. 24 hours.

Can be loaded by water: min 7 days.

Processing temperature: +5°C to +30°C. (air, material and subsurface temperature).

Packaging: 20 kg bag.

Safety

This product contains cement and produces an alkaline reaction when it comes into contact with moisture/water. Therefore ensure that skin and eyes are protected. If it should come into contact with the skin or eyes, rinse them thoroughly with water. See a doctor immediately if it comes into contact with the eyes. See also the information printed on the bag.

Packaging

20 kg bag

GTIN

7090040901026

Item no

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Nobb**Warning**

Recommendations and technical details in this data sheet is based on the best of our knowledge and experience. However, we cannot guarantee that all information in the datasheet is complete

and correct. Anyone who plan to use the product must ensure beforehand that the product is suitable for the intended use. The user alone is responsible for any consequences from using the product. Always download the most recent documentation available online on www.robustnorge.no.

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