

Floortec 2K-Basecon 825

Two-component, highly reactive epoxy resin primer, for use outdoors



Field of application

Can be used for priming, and with the addition of Floortec Basecon Ad 826, to produce water-vapor-permeable self-leveling fillers. In combination with the coatings for the system build-up, for substrates subject to foot traffic in exterior areas, such as balconies and pergolas. Can be used on all load-bearing concrete and screed surfaces.

Properties

- Solvent and VOC-free
- For use outdoors
- Fast curing
- Water-dilutable
- Water-vapor-permeable
- Minimizes the risk of delamination due to osmotic blister formation

Material description

Color shade	Transparent
Degree of gloss	Glossy
Base material	Water-dilutable epoxy resin emulsion
VOC	EU limit value for this product (Cat. A/j): 140 g/l (2010). This product contains max. 1 g/l VOC.
Density	Approx. 1.05 g/cm ³ prepared mixture (Primer approx. 1.02 g/cm ³ , hardener approx. 1.12 g/cm ³)
Reaction to fire	B1 – Bfl s1 in accordance with DIN EN 13501-1 (“schwerentflammbar” flame-retardant) in system build-up in the Floortec balcony coating system according to classification report no. TFI-21-000282-02. Follow the further instructions about system build-ups in the data sheets.
Packaging	8.5 kg and 1 kg combined container, incl. hardener

Mixing ratio	2.4 parts by weight Floortec 2K-Basecon 825 – component A – to 1 part by weight of hardener – component B.
Mixing	<p>Carefully cover floor surfaces in the mixing area. Avoid any soiling of the surfaces still to be coated at all costs. Do not detach the hardener container from the combined container; instead, pierce the black plastic lid and the bottom of the hardener container several times with a pointed awl or screwdriver. Pour all of the hardener into the base material (allow it to drain). Then carefully remove the emptied hardener container and thoroughly mix both components together using a slow-speed mixer (max. 400 rpm) with a special 2-component stirring rod until a streak-free, homogeneous mass is obtained. Avoid inclusion of air during mixing. Ensure that the hardener container is completely emptied without residue. Then pour the mixture into another clean container and stir again thoroughly. Do not mix freshly mixed material with residual material. To use as a primer, apply immediately after mixing. Follow the instructions on mixing in the Floortec Basecon Ad 826 Data Sheet to use as a self-leveling filler. Apply the material immediately after mixing, taking the pot life into consideration.</p> <p>Application as mortar resin To create coves, slope fillers, or to fill larger cavities, add Floortec Quartz Sand 1526, coarse (0.2-0.7 mm), to previously mixed Floortec 2K-Basecon 825. Mixing ratio: 1:4 to 1:5 parts by weight or 1:2.5 to 1:3.5 parts by volume. Pre-coat the surface to be treated with undiluted Floortec 2K-Basecon 825 before adding the mortar.</p>
Dilution	<p>In general, only thin with water after the mixing procedure has been completed. For priming, depending on the absorbency of the substrate, dilute 50 to 100% with water and stir again well.</p> <p>For the self-leveling filler, the viscosity can be adjusted after adding Floortec 2K-Basecon Ad 826 depending on the temperature and substrate, by adding up to max. 1–1,5% water (300–400 ml).</p>
Tinting	Do not tint.
Compatibility	Can only be mixed with similar materials and those stipulated in this data sheet.
Application	<p>Apply the mixed primer using a paint brush or roller, e.g., with the Universal Paint Roller 1102 or Polyamide Paint Roller 1314.</p> <p>To apply the self-leveling filler, follow the instructions in the Floortec Basecon Ad 826 Data Sheet.</p>
Pot life (at +20°C)	Approx. 20 minutes. After the pot life period has ended, do not thin the material again or continue to use it. Higher temperatures shorten the pot life.
Consumption	<p>Approx. 0.15 kg/m² for priming on normally absorbent substrates.</p> <p>Approx. 1.1 kg/m² as resin fraction for self-leveling filler with Basecon Ad 826 (2.6 kg) for 2 mm layer thickness. (Total consumption 3.7 kg/m²)</p> <p>As mortar resin: 0.26 kg/m²/mm resin fraction (finished mixture) mixed with 1.3 kg/m²/mm Quartz Sand 1526, coarse (corresponds to a mixing ratio of 1:5). Determine the exact consumption by means of a test application on the object to be coated.</p>

Use

- Application temperature** Do not apply at temperatures below +8°C and above a max. of +25°C air, substrate, and material temperature. Do not apply unless the temperature is at least 3°C above the dew point.
- Tool cleaning** Clean tools immediately after use with water and wetting agents. When dry, only mechanical cleaning is possible.

Drying (+20 °C, 65 % relative humidity)

After priming, coat the surfaces with the water-vapor-permeable, self-leveling filler. If used "fresh in fresh", reliable sealing of pores is not guaranteed. Allow for longer drying time if the temperature is lower and/or the humidity is higher.

Storage

Store between +8°C and +25°C before use. Can be stored in the original container in a cool and frost-free place for approx. 12 months.

Declaration

- Product code** RE1
Comply with the specifications in the current Safety Data Sheet.

Coating build-up

- Substrate preparation** The substrate must be solid, clean, with good adhesiveness, load-bearing, dimensionally stable, and free of separating agents, corrosion-promoting components or other layers affecting adhesion. The substrate must conform to technical building standards and have an adhesive tensile strength of at least 1.5 N/mm². The substrate must be protected against rising damp; and a surface inclination (slope) ≥ 1.5% must be ensured. As a rule, the residual moisture content of concrete and cement screed must not exceed 4 CM-%. The compressive strength of the substrate should be at least 25 N/mm². Smooth surfaces, e.g., surfaces smoothed with a steel trowel, must be roughened to improve their adhesion. Existing soiling, such as oil, grease, rubber abrasions, as well as non-load-bearing layers and coatings must be removed by means of a suitable object related procedure. Taking the individual object situations into account, the following methods are suitable for the substrate preparation of floor surfaces: Sanding, milling, Blastrac abrasive blasting (dust-free shot blasting), and compressed air blasting using solid blasting agents. The grain structure must be exposed, and all separating substances and loose components must be completely removed. Existing tile floorings are not suitable for coating and must be removed. Fill smaller defects with a filling mass comprising Floortec 2K-Basecon 825 mixed with Floortec Basecon Ad 826. Existing expansion joints must be prepared for the coating work (installation of expansion joint profiles or something similar). These must be incorporated in the coating. See also VOB Part C, DIN 18363, Section 3.
- Priming** Depending on the absorbency of the substrate, Floortec 2K-Basecon 825, 50 to 100% water-thinned.
- Self-leveling filler** Floortec 2K-Basecon 825, mixed with Floortec Basecon Ad 826, up to approx. 1% water-diluted depending on the requirements.

Coating build-up

Additional build-up Depending on the requirements and selection, further system build-up is implemented with Floortec Topcon F 828 or Floortec Topcon T 829 in combination with Floortec Colorgrains 830, optionally also after prior application of Floortec 2K-Sealcon 827 (sealing layer).

Alternatively:

Final coating of the self-leveling filler directly with Floortec 2K-Purolid F 878 optionally also in combination with Floortec 2K-Purolid T 876 or 877 in conjunction with Floortec Decochips 843.

For the respective system build-up, read and follow the instructions in the Data Sheets of the products to be used.

Notes

- With increased residual moisture** Contact the Brillux Consulting Service before coating concrete and cement screed with elevated residual moisture or a non-existent or damaged moisture barrier.
- Service life** Sealers and coatings on floor areas are subject to use-related wear. The specific service life depends primarily on the film thickness and the intensity of the surface stress.
- Further information** Follow the instructions on the data sheets of the products used.

Remark

This Data Sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

When a new version of this Data Sheet with updated information is published, the previous version no longer applies. The current version is available on our website.

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