

## Floortec Basecon Ad 826

Special filler mixture for self-leveling fillers with Floortec 2K-Basecon 825



### Field of application

Special filler material combination to create self-leveling fillers that are highly mechanically and chemically resistant and water-vapor-permeable in combination with Floortec 2K-Basecon 825. In combination with the coatings stipulated in the system build-up for substrates exposed to foot traffic in exterior areas, such as balconies and pergolas.

### Properties

- Easy to mix
- Low-dust
- Good leveling characteristics after mixing with Floortec 2K-Basecon 825
- Withstands high levels of mechanical stress
- Low bonding agent requirement
- For exterior use
- Fast curing
- Water-dilutable
- Water-vapor-permeable
- Acts as a vapor pressure compensation layer to prevent osmotic blister formation in the top coat

### Material description

<b>Color shade</b>	Gray
<b>Base material</b>	Mineral filler material with additives
<b>Bulk density</b>	Approx. 1.54 g/cm <sup>3</sup>
<b>Diffusion resistance coefficient</b>	300–500 μ depending on the MV (specification based on the system build-up with Floortec 2K-Basecon 825)
<b>Shore D hardness</b>	75 in accordance with DIN 53505, after 28 days at +20°C (specification based on system build-up with Floortec 2K-Basecon 825)

Material description	
<b>Adhesive tensile strength</b>	Approx. 3 N/mm <sup>2</sup> on concrete (specification based on the system build-up with Floortec 2K-Basecon 825)
<b>Reaction to fire</b>	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.
<b>Packaging</b>	20 kg bag
Use	
<b>Mixing ratio</b>	2.35 parts by weight Floortec Basecon Ad 826 to 1 part by weight of stirred mixture 2K-Basecon 825 (20 kg Floortec Basecon Ad 826 to 8.5 kg Floortec 2K-Basecon 825).
<b>Mixing</b>	Carefully cover floor surfaces in the mixing area. Avoid any and all soiling of the surfaces still to be coated. Mix in Floortec 2K-Basecon 825 and hardener in the specified mixing ratio and fill it into a clean container, then mix in Floortec Basecon Ad 826 in the specified mixing ratio using a slow-speed mixer (max. 400 rpm) with a special 2-component stirring rod, Collomix Mörtelrührer DLX 152 HF 3347, until a streak-free, homogeneous mass is obtained. To mix the self-leveling filler, follow the instructions in the Floortec 2K-Basecon 825 Data Sheet. Apply the material taking the pot life into consideration.
<b>Dilution</b>	In general, thin with water after mixing has been completed. The viscosity of the self-leveling filler can be adjusted, after adding Floortec Basecon Ad 826 depending on the temperature and the substrate, with up to max. 1% water (400–500 ml/28.5 kg).
<b>Tinting</b>	Do not tint.
<b>Compatibility</b>	Can only be mixed with similar materials and those stipulated in this data sheet.
<b>Application</b>	To produce a water-vapor-permeable, self-leveling filler, apply the mixed material quickly with a trowel, using the Notched Blade Spatula 1326 or the Notched Blade Spreader Spatula 1294 and Notched Blade 1326, type 48, and rework with De-aerating Roller 1137. The required layer thickness of at least 2 mm must be maintained.
<b>Pot life (at +20°C)</b>	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.
<b>Consumption</b>	Approx. 2.6 kg/m <sup>2</sup> Floortec Basecon Ad 826 to mix with Floortec 2K-Basecon 825 with 2 mm layer thickness. Follow the instructions in the Floortec 2K-Basecon 825 Data Sheet. Determine exact consumption by means of a test application on the object to be coated.
<b>Application temperature</b>	Do not apply at temperatures below +8°C or above a max. of +25°C air, substrate and material temperature. Apply at temperatures at least 3°C above the dew point.
<b>Tool cleaning</b>	Clean tools immediately after use with water and wetting agents. When dry, only mechanical cleaning is possible.

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

Can be walked on and additional coating can be applied after approx. 6 hours. Fully stressable after approx. 5 days. 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. 24 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/mm<sup>2</sup>.
- The substrate must be protected against rising damp, and a surface inclination (slope)  $\geq 1.5\%$  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/mm<sup>2</sup>.
- 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 consideration, the following methods are suitable for the substrate preparation of concrete surfaces: Sanding, milling, Blastrac abrasive blasting (dust-free shot blasting), and compressed air blasting with solid blasting agents. The grain structure must be exposed and all separating substances and loose components must be consistently removed.
- Existing tile floorings are not suitable for coating and must be removed.
- Fill smaller defects with a filling mass of 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 similar). They must be incorporated in the coating.
- The surfaces must be primed with Floortec 2K-Basecon 825.
- See also VOB Part C, DIN 18363, Section 3.

## Coating build-up

**Self-leveling filler** Floortec 2K-Basecon 825, mixed with Floortec Basecon Ad 826, depending on requirements, up to approx. 1% water-diluted.

**Additional build-up** Depending on the requirements and selection, further system build-up takes place 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:

Top coat 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, follow the instructions in the Data Sheets of the products to be used.

## Notes

**Drying conditions** Unfavorable drying conditions can result in surface irregularities when applying self-leveling filler e.g., leveling disruptions and undesirable texture formation.

**Avoid yellowing** In the event of exposure to the sun, yellowing of the self-leveling filler must be expected. To prevent this, we recommend that the further coating build-up in the system be implemented promptly. This has no influence on the technical function of the coating.

**Further information** Follow the instructions in 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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