

Floortec 2K-Sealcon 827

Two-component, liquid sealer based on polyurethane resin, for use outdoors



Field of application

As a seamless sealing layer in the system build-up with Floortec 2K-Basecon 825 and Floortec 2K-Basecon Ad 826, and in connecting and detail areas, on balconies, loggias, and pergolas, with walking load only. For balcony waterproofing in accordance with DIN 18531-5, to be used as an approved liquid waterproofing without a nonwoven insert, according to EAD 030350-00-0402 (or ETAG 005).

Properties

- Two-component
- Solvent-free
- Water-vapor-permeable
- Crack-bridging
- Flexible at low temperatures
- For use outdoors
- Approved for balcony sealing in accordance with DIN 18531-5, without nonwoven insert
- Tested in the system with European technical assessment (ETA-20/0013)

Material description

Color shade	Platinum gray
Degree of gloss	Glossy
Base material	Polyurethane resin with functional filler materials
Density	Approx. 1.2 g/cm ³ ready-to-use mixture
Elongation at break	> 500%, at +20°C and 60% relative air humidity
Viscosity	Approx. 8000 mPas, ready to use
Water-vapor-permeability	Sd = 3 m, μ = 1700

Material description

Adhesive tensile strength	> 2 N/mm ²
Packaging	13 kg combined container, incl. hardener (11.7 kg Floortec 2K-Sealcon 827 and 1.3 kg hardener)

Use

Mixing ratio	9 parts by weight Floortec 2K-Sealcon 827 – component A – to 1 part by weight of hardener – component B.
Mixing	Carefully cover floor surfaces in the mixing area. Avoid any and all soiling of the surfaces that are still to be coated. 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 the hardener into the base material (allow it to drain). Then, carefully remove the emptied hardener container and using a slow-running stirrer (max. 400 rpm) and a specific two-component stirring rod, thoroughly mix both components for at least 3 minutes, until a streak-free, homogeneous product is achieved. 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. Apply the material immediately after mixing, taking the pot life into consideration.
Thinning	Do not thin before applying.
Tinting	Do not tint.
Compatibility	Can only be mixed with similar materials and those stipulated in this data sheet. Can be mixed with Floortec Thixofix 837, to increase stability for application to vertical surfaces.
Application	Pretreat any metal and plastic surfaces, e.g. of penetrating components, before application with Floortec Pricon 831 according to the instructions. Firstly, coat the connecting areas, penetrations, etc. with the mixed material. For this purpose, we recommend the use of the Hydro Paint Roller 1288. Then spread Floortec 2K-Sealcon 827 with the Notched Blade Spreader Trowel 1294 and Notched Blade 1326, type 48, in a uniform layer thickness of 2 mm. In order to coat sloped and vertical surfaces, the stability can be increased by adding Floortec Thixofix 837. Follow the instructions in the Floortec Thixofix 837 data sheet.
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	Approx. 2.4 kg of the ready mixed mass with a layer thickness of approx. 2 mm. (Theoretical minimum thickness 1.9 mm according to ETA-20/0013). Determine exact consumption by means of a test application on the object to be coated.
Application temperature	Do not apply at temperatures below +10 °C or above a max. of +30 °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 PUR Thinner 617. Cleaning is no longer possible once dry.

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

Further coating in the system after 12 hours at the earliest, exclusively with Floortec Topcon F 828 or Floortec Topcon T 829 in combination with Floortec Colorgrains 830. Floortec Pricon 831 must be applied before the top coat to achieve good bond adhesion.

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. 9 months.

Declaration

Product code PU60
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) $\geq 1.5\%$ must be ensured. As a rule, the residual moisture content of concrete and cement screed must not exceed 4 CM-%
 - The self-leveling filler with Floortec 2K-Basecon 825 in combination with Floortec Basecon Ad 826 must be applied subsequent to priming with Floortec 2K-Basecon 825
 - Before starting the coating work, the substrate must be surface-dry. Moisture on the substrate leads to blister formation and/or adhesion problems
 - Existing expansion joints must be prepared for the coating work (installation of expansion joint profiles or similar). These must be incorporated in the coating
 - See also VOB Part C, DIN 18363, Section 3.

Sealing Apply Floortec 2K-Sealcon 827 in approx. 2 mm layer thicknesses to the self-leveling filler the system build-up.

Adhesion promotion Apply Floortec Pricon 831 undiluted to the surface with a lint-free cloth or evenly and thinly on large areas using the Hydro Paint Roller 1288.

Top coat Depending on the requirements and selection, the top coat in the system is implemented using Floortec Topcon F 828 or Floortec Topcon T 829 in combination with Floortec Colorgrains 830.

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

Notes

Protect against moisture The coating reacts with moisture. Coated surfaces must be protected from moisture until fully cured. The substrate to be coated must be surface-dry.

Excluded fields of application Do not use on surfaces subject to vehicular traffic, terraces touching the ground, roof terraces and other areas above living spaces or on floor surfaces with standing water or continuous exposure to moisture.

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.

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