



Floortec 2C Aqua Basis 809

Floortec 2K-Aqua-Basis 809

**water-dilutable, two-component
prime coat for Floortec 2C Aqua Thick Coat 810 and Floor-
tec 2C Epoxy Seal 848, for interior use**

Properties

Water-dilutable, two-component and water vapor diffusible epoxy prime coat. Solvent/VOC-free, transparent, low-odor and easy-to-use. Tested in accordance with the requirements of the AgBB specification.

Field of Application

For prime-coating of absorbing mineral substrates. Can be used in system combination with Floortec 2C Aqua Thick Coat 810 and 2C Epoxy Seal 848 on cement or concrete flooring and anhydrite flooring. In combination with Floortec 2C Aqua Thick Coat 810, it can also be used for magnesia flooring (note specifications in section „Note“). Also used in conjunction with Floortec Quartz Sand 1526 as a scratch coat, shrink hole and leveling filling (self-leveling coating) after priming.

Material description

Color: transparent

Gloss grade: glossy

Base material: colorless, water-dilutable epoxy resin amine adduct

Density: approx. 1.05 g/cm³

Strength of substrate: The requirements to be met by the substrate depend on the top coat to be applied and the expected load.

Packaging: 4 kg (hardener in separate container)

Use

Mixing

Mix Floortec 2C Aqua Basis 809 with Floortec Aqua Hardener 812 in the specified mixing ratio. Ensure that the hardener container is emptied completely. Mix the two components thoroughly until a smear-free, homogeneous mass is obtained. We recommend using a slow-running mixer (max. 400 rpm) with special 2C stirrer to avoid inclusion of air. Then pour the mass in another container and stir again thoroughly.

Mixing ratio

Mix 2 weight parts Floortec 2C Aqua Basis 809 with 1 weight part Floortec Aqua Hardener 812.

Thinning

Only if material is used for priming, dilute with water after mixing. In the case of normally absorbing substrates, dilute 1 part of Floortec 2C Aqua Basis 809 (incl. hardener) with 1 part of water.

In the case of highly absorbing substrates, dilute 1 part of Floortec 2C Aqua Basis 809 (incl. hardener) with 2 parts of water. Apply undiluted for scratch coat and shrink hole filling, and for coating.

Tinting

Do not tint.

Compatibility

Only mixable with materials specified in this Data Sheet.

Application

Apply Floortec 2C Aqua Base 809 using a paint brush or roller, e.g., with the Universal Paint Roller 1102 or Polyamide Paint Roller 1314.

Pot life (+20 °C)

Approx. 40 minutes. After that time, do not dilute the material again nor continue to use it. A higher temperature will reduce the pot time.

Consumption (per layer)

Only for priming on normally absorbing substrates:

approx. 180–240 g/m² ready, 1:1 water-diluted mixture (corresponds to approx. 60 to 80 g/m² of base material and approx. 30 to 40 g/m² of hardener).

Only for priming on highly absorbing substrates:

approx. 270–360 g/m² ready, 1:2 water-diluted mixture (corresponds to approx. 60 to 80 g/m² of base material and approx. 30 to 40 g/m² of hardener).

Determine exact consumption by means of a test application on the object to be coated.

If used for scratch and shrink hole and compensation filling (flow coating), note the consumption data given in table "Addition of Quartz Sand".

Application temperature

Do not apply if the air, substrate and material temperature is lower + 8°C or higher than +30 °C. Make sure the temperature is at least 3 °C above the dew point. The relative atmospheric moisture must not exceed 80 %.

Tool cleaning

Clean tools immediately after use with water and wetting agent.

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

Ready for access and application of next coat after some 12 hours when the prime coat has dried sufficiently (transparent surface). Apply next coats within 48 hours. The prime-coated surface should not be too large to ensure that the next coats can be applied within this time.

Allow longer drying times at lower temperatures and/or higher air humidity.

Storage

Cool and dry, can be stored for approx. 12 months. Reseal opened containers tightly.

Declaration

Water pollution classification
Class 2, according to VwVwS.

Product code
RE1.

Comply with the specifications in the current Safety Data Sheet.

Addition of Quartz Sand (filling degrees)

	Layer thickness	Mixing ratio resin/quartz ¹⁾	grading curve quartz sand	total consumption	resin consumption
scratch and shrink hole filling	—	1:1 (parts by weight)	0.1–0.4 mm Floortec Quartz Sand (1526.0025.0000)	1.20 kg/m ²	0.60 kg/m ²
Compensation filling (flow coat)	approx. 1.5 mm	1:1 (parts by weight)	0.1–0.4 mm Floortec Quartz Sand (1526.0025.0000)	1.80 kg/m ²	0.90 kg/m ²
	approx. 2.0 mm	1:1 (parts by weight)	0.1–0.4 mm Floortec Quartz Sand (1526.0025.0000)	2.40 kg/m ²	1.20 kg/m ²

Do not sand surface after filling.

¹⁾ The corresponding mixing ratio depends on the roughness of the substrate and the object and material temperature.

²⁾ Determine exact consumption by way of a test application on the object.

Floortec Aqua Hardener 812

Properties

Special epoxy hardener. Container sizes adjusted to the mixing ratio with Floortec 2C Aqua Basis 809 and Floortec 2C Aqua Thick Coat 810.

Field of Application

Only to be used for mixing with Floortec 2C Aqua Basis 809 and Floortec 2C Aqua Thick Coat 810 in the corresponding mixing ratio.

Coating build-up

Substrate preparation

The substrate must comply with the construction standards. The minimum adhesive pull strength shall be 1.5 N/mm² according to DIN 1048, part 2.

The residual moisture of the substrate must not exceed 6 CM-%.

The pre-treatment of and minimum requirements to be met by the substrate depends on the following system build-up with Floortec 2C Aqua Thick Coat 810 and Floortec 2C Epoxy Seal 848. Comply with the specifications given in the relevant data sheets.

Prime coat

Floortec 2C Aqua Basis 809 diluted with water in mixing ratio 1:1 and 1:2 for normally absorbing substrates and highly absorbing substrates respectively.

Material description

Color: transparent

Base material: Epoxy resin

Flash point: +135 °C

Density: approx. 1.12 g/cm³

Packaging:

2 kg or hardener for 4 kg Floortec 2C Aqua Basis 809 or for 20 kg of Floortec 2C Aqua Thick Film 810 (base components in separate container).

Use

Mix Floortec Aqua Hardener 812 with Floortec 2C Aqua Basis 809 or Floortec 2C Aqua Thick Coat 810 in the required mixing ratio. Comply with the further specifications relating to the base materials.

Further build-up

As required and specified with Floortec 2C Aqua Thick Coat 810 or Floortec 2C Epoxy Seal 848.

Note

For magnesite screed and elevated residual moisture

Contact the Brillux Consulting Service before coating magnesite screed as well as concrete and cement screed with elevated residual moisture and a non-existent or damaged moisture barrier.

Service life

Seals and coats on floor surfaces are subject to wear and tear, depending on the utilization. The individual service life largely depends on the layer thickness and the stress intensity.

Storage

Cool and dry. Reseal opened containers tightly.

Declaration

Water pollution classification

Class 2, according to VwVwS.

Product code

RE1.

Comply with the specifications in the current Safety Data Sheet.

Further information

Follow the instructions on the Data Sheets of the products used.

CE marking

<div>CE</div> <div>Brillux GmbH & Co. KG Weseler Straße 401 D-48163 Münster 11</div> <div>0809-13813-01 EN 13813:2002</div> <div>Synthetic resin screed/coating for use in buildings EN 13813: SR-B2,0-IR4</div>	
Reaction to fire	E _{fl}
Release of corrosive substances	SR
Adhesive tensile strength	B2,0
Impact resistance	IR4

Remark

This Data Sheet has been prepared taking into account the current applicable German laws, standards, specifications and codes of practice. All details have been translated from the current German version. The contents do not form a legal contract. The user and/or the purchaser is not released from the responsibility of checking that our products are suitable for the proposed use. In addition our Terms of Conditions and Payment apply.

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

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