2K, UV-RESISTANT, POLYURETHANE ALIPHATIC BINDER FOR STONE CARPETS - REAL QCF 350

PRODUCT DESCRIPTION

REAL QCF 350 is a two-component, polyurethane, UV-resistant, aliphatic binder (resin) for stone carpets with low viscosity.

TECHNICAL SPECIFICATIONS

Appearance	Full gloss
Colour	Transparent
Density (gr./ml. 20ºC)	1.06 ± 0,05
Mixing Ratio by weight	Comp.: A 70 units Comp.: B 30 units
Solids by weight (w/w)	% 98 ± 2
Application Method	Trowel
Mixture Life (20ºC)	20-25 min.
Full Curing (20°C)	4-10 days
Flexural Strength (7 days)	28 N/mm2 (TS EN 196-1)
Compressive Strength (7 days)	71 N/mm2 (TS EN 196-1)
Shore D Hardness (7 days)	78
Thermal Resistance Continuous	From +50°C to +80°C up to 7 days



REAL Construction Chemicals

	Touch Dry	Hard Drying	Interval between the layers
-5°C	12 hour	29-30 hour	24 hour
0°C	9 hour	20-21 hour	18 hour
5°C	6 hour	13-14 hour	12 hour
15°C	120-160 min.	5-6 hour	3.5 hour
25°C	80-100 min	3-4 hour	2 hour
35°C	60-80 min	1,5-2 hour	1.5 hour

Wet layer thickness (µ)	**Dry layer thickness** (µ)	**Theoretical consumption rate for a stone carpet with a layer thickness of 8 mm:** **1. Mixing:** 1 bag of 25 kg stones + A component: 1.17 kg + B component: 0.58 kg **2. Mixing:** Pair **15 kg** (A comp: 10,05 кг + B comp: 4,95 kg) + **225 kg** stones
1200	**1088**	**1. Consumption:** 1 bag **25 kg** stones + 1.75 kg (A+B) - **1.3 m²** **2. Consumption:** Pair **15 kg** (A+B) + 225 kg stones - **12 m²**

APPLICATION AREAS AND FEATURES

REAL BINDER QCF is applied by mixing with natural colored and tinted stones.

It is used as a bonding material for stone carpets in outdoor and indoor spaces.

APPLICATION:

The concrete surface is first cleaned of all dust, dirt and moisture.Then, a layer of REAL WET 365 is applied as a primer using a roller.The purpose of applying the primer is to ensure a strong bond between the concrete and the material on it. After the primer has dried, first pour 2-4 mm stones into the mixing container, to which 6% by weight of the REAL QCF 350 binder is added and mixed for about 5 minutes. The mixed material is applied to the surface, the thickness of the layer depending on the amount of stones used. For example, to achieve a carpet thickness of 8 mm, it is necessary to use 19 kg of stones per square meter. The drying time of the layer is approximately 10-15 hours at a temperature of +25°C. during this period, the surface should not be loaded or used. After application, in areas of intensive use, an additional layer of REAL QCF 350 can be applied using a roller.

ENVIRONMENTAL CONDITIONS

The ambient temperature should be between +15°C and +35°C. Application should not be done when the relative humidity exceeds 80%. The surface temperature should be at least 3-5°C above the dew point to prevent surface condensation.

It should be noted that consumption will increase in applications at low temperatures. The surface temperature should be at least +5°C and at most +45°C.

USAGE

Surface Preparation

The application surface is carefully cleaned of dirt, oil and grease. Loose old concrete pieces are cleaned from the surfaces. Rust and burrs on the surface are cleaned with a diamond-tipped machine according to SA 2 ½ standards.

Use of the Product

Before using of thebinder **REAL QCF 350** its components are thoroughly mixed separately. Then a homogenous mixture is made with its own hardener. To prevent condensation, it is applied only on a dry and clean surface with a temperature above the dew point. The binder temperature should be 20-35°C. Thinning may be required with very long spray hoses and paint temperatures lower than 15°C. This may result in lower film thickness and longer drying time. Application method; Depending on the type of stone, the applicator dealer determines the required amount.

SHELF LIFE

The material should be stored in its original packaging in a cool and dry place.

Storage life of the material in unopened packaging is 24 months for component A and B.

HEALTH AND SAFETY INFORMATION

Read the MSDS form (Material Safety Data Sheet) for necessary safety rules and warnings.

The minimum safety rules to be followed are as follows.

- Contact of the product with skin and eyes should be prevented by using gloves, protective glasses, face mask and industrial cream.

- Ensure adequate air circulation during application and until the paint dries.

- If the product comes into contact with the skin, it should be washed with warm water and soap or industrial cleaner. If splashed into eyes, rinse with water for at least 10 minutes and seek medical attention.

- All warning notes on the buckets should be read carefully and recommended working rules should be followed.

PACKAGING

REAL QCF 350

Component A: 10.5 kg.

Component B: 4.5 kg.

Total weight of the set: 15 kg.



Construction Chemicals

***Our information about the products is prepared based on our own laboratory tests and research under normal conditions. Our company is not responsible for the work done under inappropriate application conditions. Our company reserves the right to change this information. For more detailed information, please apply to R.Y.K.**

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