

**TRANSPARENT, UV-RESISTANT, TWO-COMPONENT EPOXY BINDER FOR STONE CARPET  
REAL BINDER QCF**

**PRODUCT DESCRIPTION**

**REAL BINDER QCF** is a two-component, solvent-free epoxy binder with low viscosity, used for mixing with natural colored and dyed stones for the production of stone carpets.

**TECHNICAL FEATURES**

Appearance	Full gloss
Colour	Transparent
Density (gr./ml. 20°C)	1.10 ± 0,05
Mixing Ratio by weight	Comp.: A    67 unit Comp.: B    33 unit
Solids by weight (w/w)	% 98 ± 2
Application Method	Trowel and polish
Mixture Life (20°C)	20-25 min.
Full Curing (20°C)	4-10 days
Flexural Strength (7 days)	30 N/mm <sup>2</sup> (TS EN 196-1)
Compressive Strength (7 days)	75 N/mm <sup>2</sup> (TS EN 196-1)
Shore D Hardness (7 days)	83
Thermal Resistance Continuous	+50°C the most 7 days: +80°C



**DRYING INFORMATION (100 micron KFK)**

	Touch Dry	Hard Drying	Waiting Drying Time Between Layers (minimum)
-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

**NOTES:** As the application thickness increases, consumption also increases.

Consumption Wet Film Thickness (μ)	Dry Film Thickness (μ)	Theoretical consumption rate for 8 mm stone carpets ± 10 (kg./m <sup>2</sup> )
1200	1088	1,33

**NOTES:** As the application thickness increases, consumption also increases.

## APPLICATION AREAS AND FEATURES

**REAL BINDER QCF** It is applied by mixing with Aggregate Stone floor coverings.

**REAL BINDER QCF** areas of use;

It is used as a binding material in Aggregate/Stone carpet coverings in exterior and interior areas..

### APPLICATION:

The concrete floor with correct slopes is firstly cleaned from all kinds of dust, dirt and moisture. Then a layer of QCF Binder is applied to the floor with the help of rollers as a primer. The purpose of applying the primer is to ensure that the concrete and the floor covering material are firmly bonded to each other. Following the drying of the primer layer, firstly, stone granules of 2-4 mm calibre are poured into the mixing bowl, REAL BINDER QCF is poured into it at a rate of 7% and mixed for about 5 minutes. The mixed material is carried to the floor to be applied and the laying process is carried out, the thickness calculation of the stone granules depends on the kg weight of the stone poured, for example; 19 kg of stone granules should be used per square metre to obtain a thickness of 8 mm. The drying time of the layer is approximately 10-15 hours at 25 C temperature. During this period, the floor should not be pressed/entered. After the application, a layer of REAL BINDER QCF can be applied on the roller in areas with intensive use.

## 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

**REAL BINDER QCF** Before using QCF, 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.

## PACKAGING

**REAL BINDER QCF** : Component A: 3,35 10.05 kg. & Component B:1,65 4,95 kg.

TOTAL SET WEIGHT 15 kg.

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**REAL BINDER QCF** : Component A: 10,05 3,35 kg. & Component B: 1,65 kg.

TOTAL SET WEIGHT 5 kg.

**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.

**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.



\*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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