

SOLID 350 QCF - ALIPHATIC STONE BINDER

PRODUCT DESCRIPTION

SOLID 350 QFC, It is a two-component, polyurethane aliphatic resin-based, low-viscosity stone binder material that is UV resistant.

* TECHNICAL SPECIFICATIONS

Appearance	Full gloss	
Colour	Transparent	
Density (gr./ml 20°C)	1,06 ± 0,05	
Mixing Ratio (by Weight)	A Bucket	70 unit
	B Bucket	30 unit
Solids by Weight (w/w)	% 98 ± 2	
Application Method	Mala ve perdah	
Pot Life (20°C)	20-25 min.	
Full Cure (days/20°C)	4-10 day	



Flexural Strength (7 day)	28 N/mm2 (TS EN 196-1)
Compressive Strength (7 day)	71 N/mm2 (TS EN 196-1)
Shore D Hardness (7 day)	78
Thermal Resistance Continuous	+50°C most 7 day +80°C

* DRYING INFORMATION (100 micron KFK)

	Touch Dry	Hard Drying	Waiting Times Between Floors (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

NOTE: As the application thickness increases, the drying time also increases.

CONSUMPTION Wet Film Thickness (μ)	Dry Film Thickness (μ)	Theoretical Consumption ± 10 (kg./m ²)
1209	1088	1,330

NOTE: As the application thickness increases, consumption also increases..

APPLICATION AREAS AND FEATURES

SOLID 350 QFC It is applied by mixing with Aggregate Stone floor coverings..

SOLID 350 QFC 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 and SOLID 350 QCF is poured into it at a rate of 6% 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 SOLID 350 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%. In order to avoid surface condensation, the surface temperature should be at least 3-5 °C above the dew point.

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

PACKING.

One Bucket **SOLID 350 QFC** A Component net 10,50kg.
One Bucket **SOLID 350 QFC** Hardener Component B net 4,50 kg.

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 using a diamond-tipped machine according to SA 2 ½ standards.

Use of the Product

SOLID 350 QFC components are thoroughly mixed separately before use. 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 lead to lower film thickness and longer drying time.

Application method; depending on the type of stone, the amount required is determined by the applying dealer.

HEALTH AND SAFETY INFORMATION

Read the MSDS form (Material Safety Data Sheet) for the necessary safety rules and warnings. The minimum safety rules to be followed are as follows.

- The product should be prevented from contacting the skin and eyes by using gloves, protective glasses, face mask and industrial cream.
- Adequate air circulation should be provided 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 it is splashed into the eyes, it should be rinsed with water for at least 10 minutes and medical attention should be sought.
- All warning notes on the buckets should be read carefully and the recommended working rules should be followed.

SHELF LIFE

The material should be stored in its original packaging in a cool and dry place. The storage life of the material in unopened packaging is 12 months for components 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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Solid Epoxy Flooring Systems

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