

**REAL 390 QCF – VERTICAL STONE CARPET (AGGREGATE) ADHESIVE**

**PRODUCT DESCRIPTION**

REAL 390 QCF is a **two-component, high-strength, non-sag (thixotropic)** epoxy-based adhesive specifically developed for **stone carpet (aggregate) applications on vertical and inclined surfaces**. It ensures that the aggregates firmly adhere to the surface without slippage and provides excellent adhesion strength.

**TECHNICAL PROPERTIES**

Appearance	Full gloss
Color	White
Density (g/ml, 20°C)	1,55 ± 0,05
Mixing Ratio (by weight)	Component A: 67 parts Component B: 33 parts
Solid Content (by weight, w/w)	% 98 ± 2
Application Method	Trowel and finishing tool
Pot Life (20°C)	20-25 min
Full Cure (days / 20°C)	4-10 days
Flexural Strength (7 Days)	
Compressive Strength (7 Days)	75 N/mm <sup>2</sup> (TS EN 196-1)
Shore D Hardness (7 Days)	83
Continuous Thermal Resistance	+50°C continuous / max. +80°C (up to 7 days)



Construction Chemicals

	Touch Dry	Hard Dry	Intercoat Waiting Time (Minimum)
-5°C	12hours	29-30 hours	24 hours
0°C	9 hours	20-21 hours	18 saat
5°C	6 hours	13-14 hours	12 hours
15°C	120-160 min	5-6 hours	3,5 hours
25°C	80-100 min	3-4 hours	2 hours
35°C	60-80 min	1,5-2 hours	1,5 hours

**AMBIENT CONDITIONS**

During application, the ambient temperature should be between **+15°C and +35°C**.

Application should not be carried out when the relative humidity exceeds **80%**.

To prevent surface condensation, the substrate temperature must be at least **3–5°C above the dew point**.

It should be taken into account that material consumption may increase when applications are carried out at low temperatures.

The surface temperature to be applied must be **minimum +5°C and maximum +45°C**.

### **SURFACE PREPARATION**

The surface to be applied must be completely free from dirt, oil, and grease.

Loose and weak old concrete residues on the surface must be removed.

Rust and burrs should be cleaned using diamond-tipped mechanical equipment in accordance with **SA 2½** standard, and the surface must be thoroughly dust-free.

The surface must be dry, clean, and at least **3°C above the dew point**.

### **PRIMER APPLICATION**

REAL RESIN 360 is applied to the surface in a single coat using a roller, with an approximate consumption of **0.250 kg/m<sup>2</sup>**.

While the primer is still wet, **0.8–1.2 mm** grain size quartz sand is broadcast onto the surface.

This application ensures strong bonding between the concrete substrate and the stone carpet system.

The primer layer must be allowed to dry completely.

### **PRODUCT PREPARATION**

Before use, the components of **REAL 390 QCF** should be mixed separately until homogeneous.

Then, the appropriate hardener is added and mixed until a uniform blend is obtained.

### **APPLICATION METHOD**

Before application, **2–4 mm** graded stone granules are placed into the mixing container.

**REAL 390 QCF** is added to the stone granules at a ratio of **9%**.

The mixture is mixed for approximately **5 minutes** until a homogeneous consistency is achieved.

The prepared mixture is applied to the surface at an even thickness using the **trowel (spreading) method**.

The amount of binder to be used is determined by the applicator depending on the type of stone, grain structure, and application conditions.

### **TOP COAT / PROTECTION (Optional)**

In areas subject to heavy use, after the surface has fully cured, **REAL 330 QCF** may be applied in a single coat using a roller.

### **CURING TIME**

- At **25°C ambient temperature: 10–12 hours**
- During the curing period, the surface must not be walked on and the area must not be opened to use.

### **HEALTH AND SAFETY INFORMATION**

For necessary safety rules and warnings, please read the MSDS (Material Safety Data Sheet).

The minimum safety precautions to be observed are as follows:

- Contact of the product with skin and eyes must be prevented by using protective gloves, safety goggles, face mask, and industrial barrier cream.
- Adequate ventilation must be ensured during application and until the product has fully dried.
- In case of skin contact, wash immediately with warm water and soap or an industrial cleaner. If the product splashes into the eyes, rinse with water for at least 10 minutes and seek medical attention.
- All warning labels on the containers must be carefully read and the recommended working procedures must be followed.

### **PACKAGING**

One pail of REAL 390 QFC Component A has a net weight of 2.68 kg.

One gallon of REAL 390 QFC Hardener Component B has a net weight of 1.32 kg.

### SHELF LIFE

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

The shelf life of the product is **12 months** for both **Component A and Component B**, provided that the packaging remains unopened.



*The information provided regarding our products is based on our laboratory tests and research conducted under normal conditions. Our company shall not be held responsible for applications carried out under unsuitable conditions. We reserve the right to modify this information without prior notice. For more detailed information, please contact our Technical Department.*

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**REAL**<sup>®</sup>  
Construction Chemicals

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