Technical Data Sheet
Art. No. 6490

OS Concre-Fill
Quartzite filled, fibre reinforced, intermediate coating applied with a brush or by spraying that is used to close pores and pipes on concrete surfaces

Range of use
Remmers OS Concre-Fill is an intermediate coating in a brushing/spraying consistence that is used to close pores and pipes as well for filling missing and broken out areas up to 1 mm deep. Concrete surfaces as well as load-bearing, clean dispersion coatings can be directly coated.

The quartzite fillers in the coating adjust or even differing unevenness in the substrate.
OS Concre-Fill has been tested with Remmers Concrete Acrylic as an OS 4 (OS-C) system in accordance with DIN V 18026.
OS Concre-Fill has been tested with Remmers Elastoflex Facade Paint as an OS 5a (OS-DII) system in accordance with DIN V 18026.

Property profile
Remmers OS Concre-Fill is distinguished by a wide property profile and can be used as an intermediate coating under Remmers Concrete Acrylic or Remmers Elastoflex Facade Paint.

Characteristic data of the product
Binder:
100 % pure acrylate

Solid content:
75 %

Pigments:
titanium dioxide

Extender:
mineral fillers

Viscosity:
approx. 6000 mPas

Density:
approx. 1.5 g/cm³

pH value:
8.5

Thinning medium:
water

Colour:
white

Characteristic data of the coating
Water vapour permeability according to DIN EN ISO 7783-2

\( s_d \leq 0.6 \text{ m} \)

CO\(_2\) permeability according to DIN EN 1062-6

\( s_d > 50 \text{ m} \)

Water absorption coefficient according to DIN EN 1062-3

\( w \leq 0.1 \text{ kg/m}^2 \cdot \text{h}^{0.5} \)

Surface texture:
quartzite texture

Degree of gloss according to DIN EN 1062:
matt

The material is ready to use, can be applied with a brush and covers static cracks (< 0.3 mm).

Since it adheres well to old and new fair-faced concrete as well as restored concrete surfaces and can also be used on old, load-bearing, mineral or synthetic resin bound coatings, Remmers OS Concre-Fill has a wide application spectrum.

Substrate
The substrate must be load-bearing and free of dirt, biological growth (algae, lichens, moss)
cracks (except for hair cracks) and substances that could interfere with adhesion. The substrate must also be free of salts.

**Directions**

Preparation of the substrate: When used on load-bearing concrete with little to normal absorption capacity and on old, load-bearing dispersion coatings, priming is not necessary.

Weathered, chalking or sanding mineral surfaces must be examined first to see whether they can be coated.

If there is superficial chalking, the surface should be primed with Primer SV or, as an alternative, with Hydro Deep Primer.

Application rate: Approx. 0.20 l/m²

Highly absorbent, load-bearing, mineral concrete surfaces should be primed with Remmers Impregnation Primer.

Application rate: 0.10 - 0.30 l/m² depending on absorbency

Old coatings that do not adhere tightly must be completely removed.

Stir OS Concre-Fill well before using.

After the substrate has been properly prepared, the surface can be coated with OS Concre-Fill.

**Notes**

Only one working operation is normally required.

For coatings in accordance with coating systems OS 4 and OS 5a, two coats must be applied. If multiple coats are necessary, a drying time of at least 8 hours between working operations should be observed.

If OS Concre-Fill is applied by spraying, the material should be diluted with up to 2 % water. When airless equipment is used, the filter should be removed before taking into operation to prevent clogging.

Equipment should be used that is normally used for mineral fillers (e.g. Herkules Wiwa No. 48057). The nozzle should be 0.035 inch in size.

Do not use Remmers OS Concre-Fill in direct sunlight or at temperatures below +8 °C. Observe the rules of the trade.

Protect the fresh coating from rain.

**Tools, cleaning**

Brush, paint roller, filling knife, airless spraying equipment

Clean tools and splashed material with water while the material is still fresh.

**Packaging, application rate, shelf-life**

**Packaging:**

15 l plastic buckets

**Application rate:**

400 - 900 ml/m² per coat, depending on the state of the substrate

**Shelf-life:**

At least 12 months in unopened, original containers stored frost-free. Protect from direct sunlight.

**Safety, ecology, disposal**

Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.

**Product Code**

M-DF02

**Chem VOC Paint V (2004/42/EC):**

Group (A): c

Stage 2 (2010) max. < 40 g/l

This product contains max. 30 g/l
Remmers GmbH
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D – 49624 Löningen

13
GBI F 022-1

EN 1504-2:2004
Surface protection products – Coating
EN 1504-2: ZA.1d und ZA.1e

<table>
<thead>
<tr>
<th>Property</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross cut</td>
<td>≤ GT 2</td>
</tr>
<tr>
<td>Permeability to CO₂</td>
<td>$s_D &gt; 50 \text{ m}$</td>
</tr>
<tr>
<td>Water vapour permeability</td>
<td>class I</td>
</tr>
<tr>
<td>Capillary absorption and permeability to water</td>
<td>$w &lt; 0,1 \text{ kg/m}^2 \times \text{h}^{0.5}$</td>
</tr>
<tr>
<td>Thermal compatibility</td>
<td>$\geq 0,8 (0,5) 1\text{)} \text{N/mm}^2$</td>
</tr>
<tr>
<td>Crack bridging ability</td>
<td>B 2 (-20°C)</td>
</tr>
<tr>
<td>Adhesion strength by pull off test</td>
<td>$\geq 0,8 (0,5) 1\text{)} \text{N/mm}^2$</td>
</tr>
<tr>
<td>Reaction to fire</td>
<td>class E</td>
</tr>
<tr>
<td>Artificial weathering</td>
<td>no visible defects</td>
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</tbody>
</table>

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

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