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This is a translation of the technical data sheet valid in Germany.

All stated details and properties are in compliance with the regulations of the German standards and building regulations. They are only applicable for the specified products, system components, application rules, and construction details in connection with the specifications of the respective certificates and approvals.

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## Plaster and Façade Systems

# B134.de

Product Data Sheet

2016-11



# Faserfarbe

## Silicone resin exterior paint reinforcement

### Product description

Special façade paint for filling hairline cracks and contraction cracks with a crack width < 0.2 mm.

### Composition

Silicone resin emulsion, polymer dispersion, titanium dioxide, fillers, water, additives, colour pigments and preservatives.

### Storage

The material can be stored for at least 24 months in the original container in a cool and frost-free environment. Close opened buckets airtight.

### Quality

The product is subject to continuous factory production control and is compliant to EN 1062-1 as well as DIN 18363 section 2.4.1.

### Properties and added value

- For exteriors
- Fills hairline and shrinkage cracks
- Diffusion permeable

- Water-repellent
- Satin-matt appearance
- Low stress
- Very good opacity
- Colour shade white (approximately RAL 9016)
- Can be pigmented with the Knauf ColorConcept colour shade selector card

### Field of application

Faserfarbe paint is easy to apply. Faserfarbe paint is applied as a reinforcement paint coat after examination of the substrate and possible pretreatment of the substrate on:

- New mineral based renders (e.g. Noblo, SP 260)
- Organic renders (e.g. Conni, Addi)
- Silicate renders (e.g. Kati)
- Old paint coats
- Lime sandstone
- Fibre cement boards
- Reinforced concrete (not on bridges)

## Application

### Substrate and pretreatment

Substrate	Pretreatment
Lime-based/cementitious mortar CS II/CS III acc. to EN 998-1	Pretreat coarse, porous, sanding, highly absorbent substrates with Grundol.
New mineral based renders (e.g. Noblo, SP 260)	A coat can be applied without a primer after sufficient drying time (at least 7 days). With unfavourable weather conditions the drying time is extended accordingly.
Mineral based old renders	Knock out the cavities, clean the substrate thoroughly and apply render in accordance with the existing material and texture. Allow the newly rendered areas to dry sufficiently, and if necessary, apply fluosilicate treatment and wash off.
Cracked, but firmly bonded old mineral based renders, crack width < 0.2 mm	Pretreat the substrate with Grundol primer to ensure that the crack edge zone is water-repellent.
Stable, but chalking or sanding surfaces	Pretreat with Grundol primer, the Tiefengrund primer must be fully absorbed beforehand.

### Preparation

Check substrate for compliance with VOB part C, DIN 18350, DIN 18345 chapter 3.1 and/or according to VOB part B, DIN 1961 paragraph 4 no. 3. Clean the substrate of dust and remove loose parts, ensure that the surface is smooth. Preparation of the substrate in accordance with the substrate and pretreatment table. All substrates must be stable, dry, even and free of grease and dust as well as free of any residual substances that may reduce the adhesion. Please observe BFS Code of Practice 9, section 5.2 (German only). Test existing coats (paint coats and old renders) for stability and compatibility before application of Faserfarbe paint. Cover easily-soiled building components before commencement in accordance with Code of Practice "Abklebe- und Abdekarbeiten für Maler- und Stuckateurarbeiten - Masking and covering for painting and stucco work" (German only) issued by the Bundesverband Ausbau und Fassade. Protect weather-exposed surfaces from precipitation and direct sunlight by suitable measures.

### Application

Before work commences, check colour and batch numbers on all buckets as well as the colour shade by sampling (trial coat) to ensure it is correct. Never apply the content from different buckets together on a common wall. Mix the contents together in a clean bucket beforehand. Stir the contents of the bucket thoroughly. Faserfarbe paint is to be applied as a double coat. Dilution with up to 5 % water is possible as a primer coat. In case of over-dilution, the hiding power (opacity) and the guaranteed properties will be affected.

Apply Faserfarbe paint, evenly and edge-free *wet-in-wet* onto the stable and dry render surface, final coat or paint coat. Always complete surfaces that can be viewed together on the same day. Always complete a surface once started. Always work so that the transition areas between scaffolding are roll or brush applied *wet-in-wet*. Application is undertaken primarily using a paint roller or paintbrush.

### Application temperature / climate

Do not apply material at air and/or substrate temperatures below +8 °C and above +30 °C. Protect fresh coats from the effects of moisture, e.g. from precipitation and from the effects of rapid water loss, e.g. by exposure to direct sunshine or strong wind, by protecting with suitable measures such as protective nets. Do not apply Faserfarbe paint onto preheated substrates.

### Drying time

Faserfarbe paint is touch dry at +20 °C and 65 % relative humidity after approx. 12 hours. The times are extended at lower temperatures and/or higher levels of air humidity. A minimum drying time of 24 hours and a maximum of 7 days is necessary between coats. Fully dry and ready-to-use after at least 3 days.

#### Note

Paint coats have to be applied according to DIN 18363 VOB part C section 3 as well as the generally recognized building engineering rules and valid guidelines. Work *fresh-in-fresh* in a single work step to avoid the formation of visible edging. Differences in the colour shade and surface shading may occur due to different weather-related and building site conditions.

When reordering, always state the consignment number of the previous delivery.

#### Note

Should dark coloured surfaces be exposed to high mechanical loading, the colour may change at affected locations (crazing). This does not affect the product quality and functionality. Depending on the colour shade, there may be a reduced opacity with very bright, intensive colour shades. We recommend application to a trial surface, and if necessary, an additional final coat may be required.

#### Note

Faserfarbe paint features a biocide film coating. Permanent protection against algae and fungi cannot be guaranteed, as the susceptibility depends on the local and environmental conditions.

**Technical data**

Description	Unit	Value	Standard
Gloss	Category	G3 matt	EN ISO 2813
Dry film thickness	Category	E3, > 100 ≤ 200 µm	EN 1062-1
Grain size	Category	S1 fine	EN ISO 1524
Water vapour transmission rate	Category	V1 high	EN ISO 7783-2
Liquid water permeability	Category	W3 low	EN 1062-3
Colour shade durability	Category	B	BFS code of practice no. 26
Density	g/cm <sup>3</sup>	1.45	–
VOC content	g/l	≤ 40	Directive 2004/42/EC, annex II, table A (Limit value product sub-category c: 40 g/l)

The stated technical data were evaluated acc. to the respective test standards. Deviations under site conditions are possible.

**Material requirement and efficiency**

Substrate	Application	Consumption l/m <sup>2</sup>	Efficiency m <sup>2</sup> /bucket
Smooth	Double coat	0.25	50.0
Rough		0.40	31.5

The exact consumption can only be determined with a test application on the individual object.

**Product range**

Description	Application	Paint	Packaging unit	Material number	EAN
Faserfarbe	12.5 l	White	32 buckets/pallet	00056210	4003950037320
		Pigmented		00058073	4003950049880



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