

Technical Information Sheet Article No. 2976

Elastoflex Façade Paint

Highly elastic facade coating. Silicon resin reinforced. Coating with a protective film for surfaces at risk of alga and fungi.

Test Certificate:

- Institute for Construction Research Rhineland-Westphalia, TU Aachen.
- Surface protection system for bridge construction and civil engineering works.
- Tested according to ZTV – SIB, TL/TP, OS – DII No. A 2627/D II/1

Range of use

Because of its properties, especially when used in combination with Funcosil CI, Elastoflex Façade Paint can be used for water repelling, carbon dioxide impermeable, protective coatings in concrete restoration as well as on synthetic resin bound and cement bound render systems. It is possible to over-coat load bearing, old coatings on a mineral or synthetic resin base that adhere well. In many cases, this eliminates the expensive removal of old coatings. Elastoflex Façade Paint is suitable as an elastic intermediate and finishing coat, with or without reinforcement, on cracked facade surfaces (crack groups I and II in the relevant BFS Codes of Practice) made of cement bound, mineral renders (DIN 18550) P II and P III with a compressive strength of > 7 N/mm².

Property profile

Elastoflex Façade Paint is a very versatile, highly elastic coating. Along with good water vapour diffusion capacity, it is highly impermeable for carbon dioxide and liquid water (driving rain and splash water). The paint is non-yellowing, extremely weather resistant, has no tendency to soil and is saponification stable.

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Characteristic data of the product

Characteristic data of the product in the packaged state

Binder base:	self cross-linking acrylate copolymer
Pigments:	light-proof, alkali resistant oxide pigments
Extender:	cementitious fillers
Density:	approx. 1.35 g/cm ³
pH value:	> 8.5
Thinning agent:	water
Colours:	Art. No. 2976 white Art. No. 2978 colours according to colour collection

Characteristic data of the coating

Water vapour permeability according to DIN EN ISO 7783-2:	$S_d \leq 0.9$ m
Carbon dioxide permeability according to DIN 52615:	$S \geq 115$ m
The values apply to a dry layer thickness of approx. 500 μ .	
Water absorption coefficient according to DIN EN ISO 1062-3:	$w \leq 0.10$ g/m ² x h ^{0.5}
Weather resistance:	very good
Surface texture:	smooth
Degree of gloss:	silk matt
Alkali resistance:	given up to pH 14

Elastoflex Façade Paint is easy to use and is distinguished by high crack-bridging capacity.

Substrate

The substrate must be clean, dry and load bearing. Non-functioning old coatings as well as alga and moss must be removed. Chase out cracks > 0.5 mm wedge-shaped and pre-treat with

Primer SV. After sufficient drying, close with Elastoflex Fine Filler in several working operations, if necessary. The substrate should then be pre-treated in compliance with guidelines for scrub and weather proof dispersion paints. BSF Codes of Practice for the respective work areas should especially be observed.

Working**1. Crack-bridging coating (small cracks) for concrete.**

Prime untreated, new, old or restored fair-faced concrete surfaces with Funcosil CI.
Application rate: approx. 0.2 l/m² depending on the absorbency of the substrate.

Finishing coat: At least three coats are required to sufficiently bridge cracks. Depending on absorbency and condition of the substrate, the application rate is approx. 0.25 ml/m² per coat.

2. Coating cracked facades made of cement bound, mineral renders (P II and P III) with a minimum compressive strength of 7 N/mm², as well as weathered silicate coatings with crack groups I and II.

Prime the surfaces with Primer SV.
Application rate: approx. 0.3 l/m² depending on the absorbency of the substrate.

a) Without reinforcement - crack group I
Finishing coat: apply three coats of Elastoflex Facade Paint.
Application rate: approx. 0.25 l/m² per coat.

b) Partial or full reinforcement – crack group II
Partial or full reinforcement should be carried out with products in the Elastoflex System (Elastoflex Fine Filler, Elastoflex Filler Paint and Non-Woven Fabric 5/5). Observe the respective Technical Information Sheets.

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

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

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Notes

A drying time of at least 12 hours should be observed between each working operation. Protect from direct sunlight and rain.
Do not use at temperatures below +5° C. The exact amount of material needed depends on the restoration system, crack group and substrate condition and should be determined on a sufficiently large trial area on the object.

Tools and cleaning

Roller, brush, airless spraying equipment.
Tools and paint splashes can be cleaned while fresh with water.

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

5 l and 15 l plastic containers

Application rate:

0.80 l/m² result in a total dry layer thickness of approx. 500 µ.


Shelf-life:

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

Safety, ecology, disposal

Further information concerning safety during transport, storage and handling as well as for disposal is found in the latest Safety Data Sheet.

Product-Code
M-DF 02

	
1119 – CPD - 0818	
Remmers Baustofftechnik GmbH 49624 Löningen Plant Löningen	
09 ¹⁾	
EN 1504-2	
<u>Surface protection products</u> <u>Coatings</u>	
Cross-cut test	≤ GT2
CO ₂ permeability	s _d value > 50 m
Water vapour permeability	Class I, < 5 m
Capillary water absorption and water permeability	w < 0,1 kg/(m ² · h ^{0.5})
Pull-off test, without traffic load	≥ 0,8 N/mm ²
Resistance to fluctuating temperatures	≥ 0,8 N/mm ²
Crack-bridging capacity	B2 (- 20 °C)
Behaviour under fire	B1
Artificial weathering	No visible defects

¹⁾ the last number of the year in which the CE certification was issued.



Remmers (UK) Limited Crawley
United Kingdom
Tel: +44(0) 845 373 0103
Fax: +44(0)845 373 0104
www.remmers.co.uk

Remmers (Far East) Pte. Ltd.
Singapore
Tel: +65 6 7410277
Fax: +65 6 7417158

Remmers India Pvt. Ltd.
Gurgaon
Tel: +91 124 400 9131
Fax: +91 124 400 9134
www.remmers.in