

Top Elastic Facade Paint 380

Top-Elastik Fassadenfarbe 380

**crack-bridging, cold-elastic, silk matt,
water-dilutable, weather-resistant, for exterior use**

Properties

Crack-bridging, weather-resistant dispersion facade paint. White or colored, silk-matt, water-dilutable as "Single-Pot System". Additionally, highly diffusible and easy to use. Upon request, Top Elastic Facade Paint 380 is available in „Protect Quality“ i.e. provided with film preservation.

Field of application

For crack-bridging facade paints on bearing mineral substrates, e.g. plaster (mortar group PII, PIII, depending on the pressure resistance), exposed concrete, bearing dispersion paint coats. On surfaces exposed to moisture (depending on location and construction) there is a risk of algae and fungal attack. For such surfaces we recommend using Top Elastic Facade Paint 380 in "Protect Quality" (for further information, refer to Note).

Material description

Standard color: 0095 white. Many other colors can be mixed via the Brillux color system.

Gloss grade: silk matt

Base material: Pure acrylate copolymer

Density: approx. 1.36 g/cm³

Water vapor permeability: Sd (H₂O) = 0.14 m to 1.4 m, corresponds to class II "medium water-vapor permeability" according to DIN EN ISO 7783

Water absorption coefficient: w-value < 0.1 kg/(m²·h_{0.5}), corresponds to class III "low water permeability" according to DIN EN 1062-3.

Packaging:

0095 white: 15 l

Color system: 2.5 l, 15 l

Use

Thinning

Normally not required, can be diluted slightly with water, if necessary.

Tinting

No tinting.

Compatibility

May only be mixed with materials of the same type and the materials specified for this purpose in this data sheet.

Application

After mixing, Top Elastic Facade Paint 380 can be applied by means of paint brush, rollers and spraying (high-power airless spray devices).

Consumption

At least 250 ml/m² per coat. Determine exact consumption by way of a test application on the object.

Application temperature

Do not apply if air or object temperature is under +5 °C.

Tool cleaning

Immediately after use (with water).

Drying (+20 °C, 65 % relative humidity)

Next coat can be applied after approx. 24 hours.

In the case of lower temperatures and/or higher atmospheric moisture, allow for longer drying time.

Storage

Cool and frost-free. Reseal opened containers tightly.

Declaration

Notes

Contains preservatives.
Do not breathe spray.

Product code

M-DF02.

Comply with the specifications in the current safety data sheet.

Water pollution classification

Class 1, according to VwVwS.

Airless spray data

Nozzle opening		Spray angle	Pressure bar	Thinning
Inch	mm			
0.021 - 0.027	0.53 - 0.69	40° - 80°	approx. 160	not required

Building up the coating

Surface preparation

The surface must be solid, dry, clean, load bearing and free from efflorescence, sintered layers, separating agents, corrosion promoting components or other compounds affecting intermediate layers. Remove fine-grain layers on concrete surfaces mechanically or through pressure washing.

In the case of exposure to moisture, quick drainage of the water must be ensured. Protect horizontal surfaces by taking appropriate design measures. Check existing coatings for their suitability, load carrying and adhesive properties. Completely remove any coatings that are not intact or unsuitable and dispose of these in accordance to the regulations. Remove any fungus and algae on the surface and

treat with Universal-Desinfectant 542*. (* Take due care when using biocides. Always read label and product information before use.) Treat replastered areas with a fluorine primer. If necessary prime the surface and / or put on an intermediate coat. Also see VOB Part C, DIN 18363, Paragraph 3.

Substrates ¹⁾	Prime coat	Reinforcement ²⁾	Intermediate coat	Top coat
untreated, absorbent exterior plaster (MG PII, PIII), bearing, matt dispersion paint coats etc.	Lacryl Deep Penetrating Primer ELF 595	depending on requirements partial or full reinforcement using Elastic Fiber 1566, embedded in Reinforcement Adhesive 480	Top Elastic Facade Paint 380	1 to 2x Top Elastic Facade Paint 380
bearing oil and varnish paint coats, non-absorbent dispersion paint coats, Elastic Facade Paints etc.	Adhesion Primer ELF 3720			

¹⁾ For coating new untreated, asbestos-free fiber cement panels, we recommend using Evocryl 200 or Silicone Facade Paint 918. For coating asbestos cement claddings, comply with additional instructions given in Data Sheet "Coating Systems for Asbestos Facade Cladding 2asb".

²⁾ Depending on the quality of the substrate and the object situation, cracks must be repaired according to table "Crack Types according to BFS Leaflet No. 19", before applying the reinforcement (not required in the case of hair cracks). For details, refer to data sheets 376, 480 and 1566.

Notes

In the case of structural cracks

Filling of structural cracks may not be possible in every situation using painting methods, as they may be subject to extreme movements.

Contiguous surfaces

On contiguous areas only use materials of a production or mix the required amount of materials.

Repairs

Repairs in the area become more or less strongly apparent depending on the object situation. This is unavoidable (see BFS fact sheet No. 25, 4.2.2.1., para. e).

Caulk efflorescence on concrete

There is a risk of caulk efflorescence on concrete facade surfaces. The water ingress from outside is prevented and this risk is minimized through a closed coating film. For the attainment of a closed film, existing pores, cavities and grit pockets must be filled in beforehand by, e.g., smoothing with Concrete Pore Filler 782. For existing cracks, crack-bridging coating systems with, e.g., Concrete Finish 839 or Concrete Elast OS 862 are to be utilized.

New mineral substrates

Allow new mineral substrates, particularly plaster surfaces (MG PII, PIII) to cure and dry properly (at least 14 days, better 4 weeks) before coating them. Depending on weather conditions and season, the drying process may take even longer.

No adhesion in the case of saline efflorescences

Permanent adhesion of the coating on surfaces with saline efflorescence cannot be guaranteed.

Exclude background moisturizing

A background moisturizing of the plaster must be excluded e. g. cracks, connections etc.

Design with brilliant or intensive colors

Brilliant, pure intensive colors, e.g. yellow, orange, red, magenta and yellow-green have little covering capacity due to their pigment nature. In the case of critical colors, we recommend to apply a well-covering base coat on the relevant surface in the corresponding base color (Basecode). Additional coats may be required in addition to the normal system build-up.

As "Protect" quality

The material quality marked with "Protect" is provided with film preservation against algae and fungal attack and should be used on the exterior only for this reason. Do not breathe spray, wear suitable protective clothing. The preservatives used minimize risk of algae and fungal attacks. Facade Paints provided with film preservation must be applied with sufficient layer thickness. We recommend applying at least two coats. Subject to the status of the technology, a lasting absence of algae and fungal infestation cannot be guaranteed.

Protection colloids in the case of early exposure to moisture

If the coat is exposed to moisture early after application (dew or rain), water-soluble protection colloids can be dissolved from the paint film and deposit on the coat surface (glossy stains). If such stains occur, do not re-coat the surfaces directly. The water-soluble materials will be washed off by moisture (rain) again in the course of time. If the affected surfaces are to be re-coated immediately, the stains must be washed off thoroughly with water. To avoid this, only carry out the coating work when weather conditions are favorable.

Further information

Follow the information on the Data Sheets of the products used.

Remark

This Data Sheet has been prepared taking into account the current applicable German laws, standards, specifications and codes of practice. All details have been translated from the current German version. The contents do not form a legal contract. The user and/or the purchaser is not released from the responsibility of checking that our products are suitable for the proposed use. In addition our Terms of Conditions and Payment apply.

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