

SOVA Concrete-Elastic



Article No. 15 I 60300
Article No. 10 I 60301
Article No. 5 I 60302

Product description

Crack-bridging, matt and cold flexible façade coating for mineral substrates, e.g. concrete. Protects concrete from water and increases its CO₂ impermeability. Provided with a wet adhesion promoter and a capillary hydrophobic agent for the reliable prevention of film swelling and blistering. White, tintable at works according to SOVACOLOR system.

Properties

- Crack-bridging.
- Cold flexible down to -25 °C.
- Good CO₂ impermeability.
- Water vapour permeable.
- UV-crosslinking.

Fields of application

Crack-bridging coating for vertical mineral substrates, e.g. concrete. For the protection and coloured design of façades. Not suitable for walk-on or trafficked surfaces, not suitable for indoors.

Substrate

Substrates must be clean, dry, stable and free of separating substances. Remove non-solid layers and slurry. Residual moisture content: max. 4 % by weight for concrete qualities up to C 30/37 (B35), max. 3 % by weight for concrete qualities C 35/45 (B45) measured with a CM device. Prepare substrates by means of suitable mechanical methods, e.g. blasting with solid abrasives or high-pressure water jets > 800 bar. Open pores and cavities sufficiently. Prime with SOVA Isolation Primer or SOVA Primer L. Observe technical data sheets.

Application

SOVA Concrete-Elastic is ready for use. Stir thoroughly before each application. Apply 1st coat of SOVA Concrete-Elastic diluted with approx. 2 % by weight of water. Apply 2nd and 3rd coat of SOVA Concrete-Elastic undiluted. Manual application: by brush or roller. Mechanical application: by airless spray device, nozzle size: 0.53 – 0.66 mm. Minimum application temperature: +5 °C (air or component), max. application temperature: +30 °C. Low temperatures and high air humidity slow down the drying process accordingly.

Consumption

Approx. 250 – 300 ml / m² / coat

These figures are average values. The actual consumption depends on the application method used and the nature of the substrate. Carry out a test application to determine the exact consumption rates.

Technical information

Binder	polymer dispersion
Colour	white / tintable at works according to SOVACOLOR system
Liquid water permeability W	< 0.05 kg/ (m ² · h ^{0.5}) according to EN 1062-3, corresponds to class W ₃ acc. to EN 1062-1

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Diffusion-equivalent air layer thickness s_{dH_2O} < 4 [m] acc. to EN ISO 7783-2, class V₃ acc. to EN 1062-1
 Diffusion-equivalent air layer thickness s_{dCO_2} < 50 [m] acc. to EN 1062-6, class C₁ acc. to EN 1062-1
 Density approx 1.40 g / cm³
 Solids approx. 65 % by weight

These figures are average values. The actual values of product deliveries may vary slightly due to the use of natural raw materials in our products.

Composition in acc. w. German VdL (Association of the German Paints and Varnishes Industry) Guideline 1

Acrylate dispersion, titanium dioxide, inorganic fillers, water, additives, preservatives.
 Advice for persons allergic to isothiasolinone on the phone number +49 6773-91 590-0.

VOC content

EU limit value for this product (cat. A/c): 40 g/l VOC (2010). This product contains max. 10 g/l VOC.

Safety

This product is subject to labelling in accordance with the applicable EU Directive. Observe safety data sheet. Hazard information: R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Safety advice: S2 Keep out of the reach of children. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S29 Do not empty into drains. S36 Wear suitable protective clothing. S46 If swallowed, seek medical advice immediately and show this container or label.

Delivery form	15 l plastic bucket 10 l plastic bucket 5 l plastic bucket
Storage	Cool and frost-free. Avoid direct sunlight. Storage stability in original container: approx 12 months. Once opened, seal containers airtight and use up quickly.
Cleaning of tools	With water immediately after use. Dried material can only be removed mechanically.
Disposal	Only recycle completely empty containers. Dispose of dried material residues as construction waste. Disposal of unused product: EWC No. 080112.
Product code	M-DF 02

Technical support

Should you have any questions, please contact our sales service or technical advisory service.

Our application-related recommendations, which are based on our experience and are given to the best of our knowledge, are not binding and neither constitute a contractual legal relationship nor give rise to ancillary obligations from the purchase contract. The recommendations given do not exempt the customer from independently checking whether our products are suitable for the intended purpose. Our General Terms of Business apply.

This data sheet supersedes all previous data sheets for this product. Issued:

01.09.2011