



SikaTop® 106 ElastoCem

Crack Bridging Cementitious Waterproof Slurry

Technical Data Sheet

DESCRIPTION

SikaTop 106 ElastoCem is a two component cementitious polymer modified pre batched mortar with crack bridging properties.

USES

- * Protecting concrete structures.
- * In splash/spray zones.
- * Provides protection from salt spray.
- * For structures subject to cracking.
- * For exterior and interior use.

ADVANTAGES

- * Pre batched for quality.
- * Crack bridging down to -20°C.
- * Compatible with **Sika® FerroGard®** corrosion inhibitors.
- * Easy to mix and apply.
- * Excellent bond to concrete.
- * Contains no chloride admixtures.
- * Overcoatable with **SikaGard** crack bridging coatings without subsequent priming.
- * Low shrinkage.
- * Waterproof.
- * Coefficient of thermal expansion similar to concrete.
- * Suitable for drinking water contact.

Technical Data (typical)

Mixed colour:	Cement grey
Mixed wet density:	1.28 kg/litre
Application temperature:	+8°C min, +30°C max (Substrate and ambient)
Application thickness per layer:	0.50 mm minimum 1.00 mm maximum
MECHANICAL PROPERTIES	
Crack bridging: (static 20°C)	1.0 mm @ 2.0 mm thickness
Tensile strength after water submersion:	0.9 N/mm ²
Elongation @ break:	30%
'Working time': (@23°C)	Apply next coat when previous coat has set and will not be disturbed by subsequent application.

Approved for potable water contact.
Details available on request.

All above values are approximate.

SURFACE PREPARATION

Prepare and clean all concrete surfaces by suitable mechanical means such as abrasive blast cleaning or equivalent to ensure cement laitance, surface contamination and all existing coatings are removed and all blowholes and honeycombed areas are exposed.

MIXING

SikaTop 106 ElastoCem should be mechanically mixed using a forced action mixer or in a clean drum using a drill and paddle. A normal concrete mixer is NOT suitable.

Mix **SikaTop 106 ElastoCem** part A with part B for at least 3 minutes to achieve a uniform consistency.

APPLICATION

The surface should be pre-wetted to a saturated surface dry condition before application.

Pre-fill voids, cavities etc with **Sika EpoCem** or **SikaGard** products.

For the first application, work the **SikaTop 106 ElastoCem** thoroughly into the pre-wetted, slightly damp substrate with a flat bristle brush; apply remaining layers on top and smooth with the brush. Over large areas, **SikaTop 106 ElastoCem** can also be applied mechanically. Wet spraying equipment from eg Putzmeister or Markham is suitable. At least two applications are necessary for a 2 mm thickness.

2.0 mm can be achieved in two coats on horizontal surfaces and three coats on vertical or overhead.

IMPORTANT CONSIDERATIONS

CURING

Protect from rapid drying out. No other precautions necessary.

- * Do not add water.
- * Apply only to prepared, sound substrates.
- * Protect freshly applied material from freezing.

CLEANING

Remove **SikaTop 106 ElastoCem** from tools and equipment with water. Hardened material can only be removed mechanically.

PACKAGING

Refer to latest price list.

CONSUMPTION

1.6 kg/m²/mm.

Excluding allowances for loss wastage, surface profile and porosity.

STORAGE AND SHELF LIFE

Minimum 1 year in unopened original sealed containers stored in dry warehouse conditions (+5°C - +25°C).



Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

Important Note

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Please consult our Technical Sales Department for further information

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