



# Sika MonoTop<sup>®</sup> 620

## Cementitious Pore Sealer and Levelling Mortar

### Technical Data Sheet

#### DESCRIPTION

**Sika MonoTop 620** is a one component cementitious polymer modified mortar.

#### USES

- \* As a concrete pore sealer/levelling mortar
- \* Repairing minor defects.
- \* Thin layer render.
- \* Repairing pores and honeycombed concrete.
- \* For exterior and interior use.

#### ADVANTAGES

- \* Pre bagged for quality.
- \* Just add water.
- \* Compatible with **Sika<sup>®</sup> FerroGard<sup>®</sup>** corrosion inhibitors.
- \* Easy to mix and apply.
- \* Excellent bond to concrete.
- \* Contains no chloride admixtures.
- \* Compatible with **SikaTop<sup>®</sup>** and **MonoTop** mortars.
- \* Overcoatable with **SikaGard<sup>®</sup>** coatings.
- \* Low shrinkage.
- \* Sprayable by wet spray method.
- \* Adjustable consistency.

#### Technical Data (typical)

<b>Mixed colour:</b>	Grey
<b>Mixed wet density:</b>	2.0 kg/litre
<b>Application temperature:</b>	+5°C min, +30°C max (Substrate and ambient)
<b>Application thickness per layer:</b>	1.5 mm minimum 5.0 mm maximum
<b>Mix ratio:</b>	
Hand application:	4.0 - 4.5 litres water per 25 kg bag
Wet spray application:	2.5 - 3.5 litres water per 25 kg bag

#### MECHANICAL PROPERTIES

28 days @ 20°C

<b>Compressive strength:</b>	30 - 35 N/mm <sup>2</sup>
<b>Flexural strength:</b>	4 - 6 N/mm <sup>2</sup>
<b>Bond strength (tensile):</b>	1.5 - 2.5 N/mm <sup>2</sup> (Substrate failure)
<b>E-Modulus (static):</b>	15.4 kN/mm <sup>2</sup>
<b>'Working time' (@23°C):</b>	35 - 45 minutes



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

**Sika MonoTop 620** repair mortar 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.

Pour water in the correct proportion into the mixing vessel. Add powder while mixing continuously. To avoid entraining too much air, mix using a low speed mixer (max 500 rpm) for minimum 3 minutes. By gradually adding the powder in portions, the desired application consistency can be obtained.

## APPLICATION

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

Apply by trowel and rub down with wooden/plastic float or damp sponge.

## IMPORTANT CONSIDERATIONS

### CURING

It is essential to cure the levelling mortar immediately after application for a minimum of 3 days to ensure full cement hydration and to minimise cracking. Use polythene sheeting or other approved method.

- \* Do not add water over recommended dosage.
- \* Apply only to prepared, sound substrates.
- \* Do not add additional water during the surface finishing process as this will cause discolouration and cracking.
- \* Protect freshly applied material from freezing.

### CLEANING

Remove **Sika MonoTop 620** from tools and equipment with water. Hardened material can only be removed mechanically.

### PACKAGING

Refer to latest price list.

### CONSUMPTION

2.0 kg/m<sup>2</sup>/mm (2.0 kg/litre)  
Excluding allowances for loss wastage, surface profile and porosity.

### STORAGE AND SHELF LIFE

Minimum 6 months 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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