

PRODUCT DATA SHEET

Sika MonoTop®-620 AE

ONE COMPONENT, POLYMER MODIFIED, FINISHING MORTAR AND FAIRING COAT

DESCRIPTION

Sika MonoTop®-620 AE is a polymer modified cementitious mortar containing silica fume for use as a finishing and protective top coat for concrete repair patches.
Suitable for use in hot and tropical climatic conditions.

USES

Sika MonoTop®-620 AE can be used as a:

- Pore sealer / finishing coat on cementitious substrates
- Thin layer render coat on horizontal and vertical areas in building and civil engineering construction, for external and internal finishing etc.
- Levelling mortar on uneven substrates, and profiled concrete surfaces.
- Fine repair mortar to fill honeycombs, pores etc.
- Repair mortar for repair of small defects on edges and joint sides; to form and finish joints and coverings.

CHARACTERISTICS / ADVANTAGES

- Easy to use; mix with water only
- User friendly application; excellent workability
- Good mechanical strengths
- Sprayable by the wet-spray method
- Non-corrosive
- Adjustable consistency
- High bond strength

PRODUCT INFORMATION

Composition	Polymer containing cementitious mortar with different additives
Packaging	25 kg bag
Appearance / Colour	Grey powder
Shelf life	12 months minimum from date of production if stored properly in original sealed packaging.
Storage conditions	Store in cool and dry conditions in unopened, undamaged and sealed original packaging at temperatures between +10 °C and +40 °C. Protect from direct sunlight, heat and moisture.
Maximum Grain Size	~0.6 mm

TECHNICAL INFORMATION

Compressive Strength	<u>W/P ratio</u> 0.20	<u>28 days</u> ~25 N/mm ²	(EN 12190)
Tensile Strength in Flexure	~5 N/mm ² (28d)		(EN 12190)
Tensile Adhesion Strength	~1.0 N/mm ²		(EN 1542)

APPLICATION INFORMATION

Mixing Ratio	4.75 - 5.00 L of water per 25 kg bag		
Fresh Mortar Density	~2.00 kg/l		
Yield	~14.90 - 15.10 L / 25 kg bag		
Layer Thickness	1.5 mm minimum 5 mm maximum		
Ambient Air Temperature	+5 °C min. / +40 °C max.		
Substrate Temperature	+5 °C min. / +40 °C max.		
Pot Life	~60 minutes (23°C)		

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be structurally sound, cement laitance free, clean and free from dirt, oil, grease or other contaminants and loose or friable particles.

MIXING

Pour clean, cold water in given quantity into the mixing container.
Add powder while mixing continuously using a low speed electric mixer (max. 500 rpm) for a minimum of 3 minutes avoiding entrapping of air.
By adding the powder slowly and in portions, the desired application consistency can be obtained.
Leave material to stand for 5 – 10 minutes then remix the material for 15 seconds - the product is now ready for use.
Do not add extra water or other ingredients after mixing

APPLICATION

Sika MonoTop®-620 AE can be applied by trowel, spatula or the wet spray method.
As soon as the mortar has started to set it can be smoothed by wooden or synthetic float, styrofoam block or sponge.
No additional water must be used as it may lead to surface discoloration.

CURING TREATMENT

Where ambient conditions may lead to rapid surface drying, the use of light water fogging for 48 hours or application of a suitable water based curing compound from Sika's range, is recommended.
Do not commence fogging until final set has been reached.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with clean water immediately after use.
Hardened / cured material can only be mechanically removed.

IMPORTANT CONSIDERATIONS

- Do not exceed the maximum layer thickness.
- Protect freshly applied material from rain etc.
- Sika MonoTop®-620 AE should not be used at temperatures below 5 °C.
- At ambient temperatures above 35°C, the material should be stored in the shade and chilled water should be used for mixing.
- Sika MonoTop®-620 AE may be over-coated with Sika protective coatings such as SikaTop® Seal-107, Sika® Seal-105, Sikagard®-550 W Elastic (G) and other suitable SikaTop or Sika MonoTop products. Refer to relevant product data sheets.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

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 accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

SIKA NORTHERN GULF

Bahrain / Qatar / Kuwait
Tel: +973 177 38188
sika.gulf@bh.sika.com
gcc.sika.com

SIKA SOUTHERN GULF

UAE / Oman / SIC
Tel: +971 4 439 8200
info@ae.sika.com
gcc.sika.com

SIKA SAUDI ARABIA

Riyadh / Jeddah / Dammam
Tel: +966 11 217 6532
info@sa.sika.com
gcc.sika.com



ISO 9001: Sika UAE LLC,
Sika Gulf B.S.C. (c),
Sika Saudi Arabia Co. Ltd,
Sika Qatar LLC
ISO 14001: Sika UAE LLC,
Sika Gulf B.S.C. (c),
Sika Saudi Arabia Co. Ltd
OHSAS: Sika UAE LLC,
Sika Gulf B.S.C. (c)

All products are supplied
under a management
system certified to conform
to the requirements of the
quality, environmental and
occupational health &
safety standards ISO 9001,
ISO 14001 and OHSAS
18001.

SikaMonoTop-620AE-en-AE-(02-2020)-1-2.pdf

Product Data Sheet

Sika MonoTop®-620 AE

February 2020, Version 01.02
020302050010000112

