

PRODUCT DATA SHEET

Sika MonoTop[®]-731 Structure Repair MM

FIBRE-REINFORCED REPAIR MORTAR

DESCRIPTION

A ready-to-mixed cement based which is designed for repair the damage on structure.

USES

- Repair of concrete surfaces: spalling, honeycombing.
- Concrete restructuring: pillars, slabs, posts and spillways, etc...
- Reinforcement of weakened structures e.g. balconies, overhangs, cornices.
- Treatment of chambers and seams prior to water-proofing.
- Treatment of passive cracks.

FEATURES

- High application thickness up to 35 mm.
- High compressive strength.
- Excellence bonding.
- Good workability.
- Fast setting.

PRODUCT INFORMATION

Packaging	25 kg bag
Appearance and colour	Grey powder
Shelf life	6months from the date of production if stored properly in undamaged, original, sealed packaging.
Storage conditions	Store in dry and cool conditions, protected from direct sunlight.
Maximum grain size	2 mm

TECHNICAL INFORMATION

Compressive strength	1 day	7 days	28 days
	≥ 15 MPa	≥ 25 MPa	≥ 40 MPa
Flexural-strength	1 day	7 days	28 days
	≥ 5 MPa	≥ 6 MPa	≥ 8 MPa

APPLICATION INFORMATION

Mixing ratio	4.25 to 4.5 litre water per bag 25 kg
Consumption	2 kg / sq m / 1 mm
Ambient air temperature	+10°C to +35°C
Fresh mortar density	~2 kg/L

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.

LIMITATIONS

- Store the bags of mortar in cool shaded conditions and temperature of mixing water should be below 30°C.
- Do not apply in full sunlight, windy conditions or hot substrate.

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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

1. Ensure that the substrate is free of any traces of plant-based or mineral pollution, e.g. grease, oil, laitance, etc...
2. Remove loose and damaged concrete by means of a suitable tool in order to obtain a clean, rough surface.
3. Clear out concrete around corroded rebar in order to create space for inserting the product behind and around them. The boundaries of the surface to be repaired must be clearly defined.
4. Brush, scrape or sandblast corroded rebar in order to remove non-adherent rust.
5. Dust off all surfaces to be repaired.
6. Soak the substrate prior to application (substrate must be damp but not seeping with water)

MIXING

1. Mix Sika MonoTop®-731 Structure Repair MM with 4.25 - 4.5 l of clean water (clean water 17 - 18 % per mortar weight).
2. Mixing should be carried out as follows: By machine mix with recommended speed at 500 rpm.
3. Mixing time: at least 3 minutes or required consistency is obtained.
4. Leave the mixture to stand for 1 - 3 minutes.
5. Do not add water after mixing.

APPLICATION

1. Apply a first coat of Sika MonoTop®-731 Structure Repair MM with a trowel, pressing firmly to ensure effective bonding, building up to required thickness in one single operation. A maximum thickness is 35 mm.
2. The case of repairing the corner of the concrete column, use 2 trowels on each side of the corner to prevent over use of mortar on the corner.
3. Apply additional mortar to obtain the desired overall thickness. Smooth the surface with a trowel or float the repaired surface for a smooth finish.

CURING TREATMENT

After finishing, protect the mortar from drying out by applying Sika® Antisol® S

PRODUCT DATA SHEET

Sika MonoTop®-731 Structure Repair MM
January 2025, Version 01.02
020302040030000551

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 exact product data and uses.

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 (MYANMAR) LIMITED

No.31, Mahabandula Street, South

Dagon

Kyansittar Yeik Mon Industrial Zone,

Yangon, Myanmar.

Phone: +959 798366081, +951 657970-2

E-mail: myanmar.sales@mm.sika.com



PRODUCT DATA SHEET

Sika MonoTop®-731 Structure Repair MM

January 2025, Version 01.02

020302040030000551

SikaMonoTop-731StructureRepairMM-en-MM-(01-2025)-1-2.pdf

