

PRODUCT DATA SHEET

Sika MonoTop[®]-2022 GP

General purpose, shrinkage controlled, fibre-reinforced patch repair mortar

DESCRIPTION

Sika MonoTop[®]-2022 GP (Formally known as Sika MonoTop[®] - 50 R) is a single component fibre reinforced, shrinkage controlled general purpose patch repair mortar.

USES

- Quick repairs for overhead, horizontal or vertical concrete or mortar surfaces above and below ground level
- Filling concrete cavities in electrical, piping and air-conditioning works
- Securing foundation and anchor bolts, pipe clips, sanitary wares, etc.
- Repair concrete conduits, drains, etc.
- Damaged corners of precast panels reprofiling
- Surface irregularities repairs including exposed aggregates, joints between new and old concrete, protruding steel, tie-rod holes in formwork concrete, etc.

CHARACTERISTICS / ADVANTAGES

- Superior workability
- Suitable for hand application. Can be applied up to 30 mm thick per application layer
- Very low shrinkage behaviour
- Low permeability
- Chloride free

PRODUCT INFORMATION

Packaging	25 kg bag
Shelf Life	6 months from date of production
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging in dry conditions. Keep away from water, rain and direct sunlight.
Appearance / Colour	Grey powder

TECHNICAL INFORMATION

Compressive Strength	1 day	~15 N/mm ²	(EN 12190)
	7 days	~40 N/mm ²	
	28 days	~50 N/mm ²	
Tensile Strength	> 2.0 N/mm ² (at 28 days)		(EN 1542)

APPLICATION INFORMATION

Mixing Ratio	3.5–3.8 L of water per 25 kg bag
Consumption	Depends on the substrate roughness and thickness of layer applied. As a guide, ~18.3 kg (based on 3.75 L of water) of powder per cm thick per m ²
Yield	1 bag yields approximately 13.7 L of mortar
Layer Thickness	10 mm min. / 30 mm max.
Ambient Air Temperature	+6 °C min. / +40 °C max.
Substrate Temperature	+6 °C min. / +40 °C max.
Pot Life	~30 minutes at +23 °C

BASIS OF PRODUCT DATA

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

IMPORTANT CONSIDERATIONS

- For surfaces subjected to high abrasion, Sika MonoTop®-412 MY should be used as repair mortar.
- Sika MonoTop®-2022 GP should not be used on smooth concrete surfaces. Thorough roughening of the surface will be required.
- Sika MonoTop®-2022 GP should not be used for pouring or pumping into formwork. Kindly refer to SikaGrout® range.
- Cement or admixtures should not be added to Sika MonoTop®-2022 GP.
- Once the mix has begun to set, do not add water.
- Refer to the Method Statement for Concrete Repair using Sika MonoTop® system for more information regarding substrate preparation
- Avoid application under direct sun and/or strong wind.
- Apply only to sound, roughened and well-prepared substrate. Do not add additional water during the surface finishing phase as this will cause discoloration and cracking.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete

The concrete shall be free from dust, loose material, surface contamination and materials which reduce bond or prevent suction or wetting by repair materials. Delaminated, weak, damaged and deteriorated

concrete and where necessary sound concrete shall be removed by suitable means.

MIXING

Sika MonoTop®-2022 GP can be mixed with a low speed (< 500 rpm) hand-drill mixer fixed to a mixing paddle or using a force-action mixer, 2 to 3 bags or more at once depending the type and size of mixer. In small quantity, Sika MonoTop®-2022 GP can also be mixed manually using a trowel or scrapper in a clean container. Pour the water in the correct proportion into a clean mixing container. While stirring slowly, add the powder to the water. Mixed thoroughly for a minimum of 3 minutes, until the required consistency.

APPLICATION

Sika MonoTop®-2022 GP can be applied manually using traditional techniques. After applying bonding primer, ensure it is still tacky when the repair material is applied (wet on wet technique). Press the repair mortar with a trowel, working it well into the substrate. Finishing can be done with the relevant rough-cast as soon as the mortar has started to stiffen.

CURING TREATMENT

Protect the fresh mortar from early dehydration using the relevant curing method.

CLEANING OF TOOLS

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

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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 cur-

rent 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.

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