

PRODUCT DATA SHEET

SikaRep[®]-105

MULTIPURPOSE PATCHING AND REPAIR MORTARS

DESCRIPTION

SikaRep[®]-105 is a 1-component, cement based ready to use multi-purpose patching and repair mortar.

USES

For the cosmetic or structural repair of deteriorated concrete and mortar. SikaRep[®]-105 can be used on, exterior or interior, horizontal or vertical surfaces. SikaRep[®]-105 provides a compatible surface for the application of Sika coatings and finishes.

FEATURES

- One component: just add water
- Excellent finishing appearance before painting or coating.
- Easy to mix, apply and finish.
- Can be left uncoated.
- Excellent adhesion.
- Shrinkage compensated.
- Compatible with the properties of typical concretes.
- Vapour permeable.

PRODUCT INFORMATION

Packaging	25 Kg bag
Appearance and colour	Grey powder
Shelf life	12 months minimum from production date.
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between 5 °C and 35 °C. Protect from direct sunlight.
Density	2.0 – 2.1kg/litre
Maximum grain size	0,5 mm

TECHNICAL INFORMATION

Compressive strength	~ 20 Mpa at 28d
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APPLICATION INFORMATION

Mixing ratio	For normal application add 5.0 – 5.5 litres of water per 25 kg of SikaRep [®] -105 depending on the desired consistency. Mixing can be achieved either manually or mechanically. Mechanical mixing is preferred for quantities greater than 1 bag.
Layer thickness	5 mm to 30 mm
Ambient air temperature	Minimum +5°C / Maximum +35°C.

Substrate temperature	Minimum +5°C / Maximum +35°C.
Pot Life	1h at 30°C
Waiting time to overcoating	Wait about 1 week before covering with paint or Coating.

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.

FURTHER DOCUMENTATION

Don't apply on organic or gypsum based 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

Substrates must be properly cured, structurally sound, clean, free of any loose or friable particle and of any contaminants such as dust, dirt, oil, grease, cement laitance or efflorescence.

MIXING

Mix 25 kg bag with the necessary, above mentioned, amount of cold water until a homogeneous consistency is achieved.

- For 5kg of mortar the mixing water is about 1 liter.
- If the substrate is smooth and non-porous, it is recommended to mix SikaRep®-105 with a Sikalatex solution (1 volume Sikalatex for 3 volumes of water).
- After mixing and before application, let the mix stand for 5 minutes

APPLICATION

- Pre-damp the repair substrate with clean water and apply the mortar by trowel or spatula
- Before hardening, smooth the surface with sponge or polystyrene trowel

CURING TREATMENT

Curing is important where ambient conditions may lead to rapid surface drying, the use of light water fogging for 48 hours or Sika® Antisol curing compounds are recommended. (Do not commence fogging until initial set has been reached; typically 1 - 2 hours depending upon ambient conditions.)

CLEANING OF EQUIPMENT

With water immediately after use

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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 MANUFACTURING NIGERIA LIMITED

10, Western Industrial Avenue, Isheri
Riverview Estate
Lagos - Ibadan Expressway, Ogun State
NIGERIA
Web: nga.sika.com

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