

PRODUCT DATA SHEET

Sikadur® UA MY

TWO-PART EPOXY RESIN MORTAR FOR UNDERWATER APPLICATIONS

DESCRIPTION

Sikadur® UA MY is a solvent free, non-slump, two component epoxy resin patching mortar, containing blended high strength fillers. When Sikadur® UA MY is mixed it has a soft putty like consistency making it ideal for general patching and repair work.

USES

Sikadur® UA MY can be used for:

- Underwater application as well as to dry surfaces. Mixed mortar can be transported underwater in polyethylene bags
- Filling and patching concrete floors, pipes, tanks etc.
- Repairing and reprofiling damaged precast and in-situ concrete components
- Bonding concrete blocks, bricks, ceramics, etc.
- Grouting of bolts and starters
- Bonding precast concrete pipes

CHARACTERISTICS / ADVANTAGES

- Easy to mix and apply using either trowel, spatula or gloved hand
- Suitable for application to both dry and damp surfaces
- Adheres well to wet or submerged concrete or steel
- Can be applied underwater
- Excellent non-sag properties for vertical and overhead work
- Does not shrink when hardened
- High abrasion resistance
- Excellent adhesion to concrete, steel, timber and many other substrates
- Both components have different colours to ensure thorough mixing

PRODUCT INFORMATION

Packaging	Part A	7.5 kg
	Part B	2.5 kg
	Part A+B	10 kg
Shelf Life	1 year from date of production	
Storage Conditions	Store properly in unopened and undamaged, dry conditions between +5 °C to +30 °C. Keep away from direct sunlight.	
Density	~2.0 kg/l	

TECHNICAL INFORMATION

Compressive Strength	7 days	~64 N/mm ²	(ASTM C942)
	28 days	~67 N/mm ²	
Tensile Strength in Flexure	7 days	~32 N/mm ²	(ASTM C348)
	28 days	~38 N/mm ²	

Tensile Adhesion Strength	7 days	~1.6 N/mm ² (Cohesive failure of substrate)	(ASTM D4541)
	28 days	~2.0 N/mm ² (Cohesive failure of substrate)	
Service Temperature	< 60 °C		

APPLICATION INFORMATION

Mixing Ratio	Part A : Part B = 3 : 1 (by weight)
Substrate Temperature	+5 °C min. / +40 °C max.
Pot Life	30 minutes (30 °C, 80 % RH, 500 g mix)

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All concrete surfaces must be clean and free from any loosely adhering particles or contaminants such as dirt, oil, dust, grease, etc. All cement laitance should be removed by scrubbing, sandblasting, etc. Steel surfaces must have all paints, films, oils, rust and other contaminants removed by grit blasting. Apply Sikadur® UA MY immediately after blasting is completed.

MIXING

Mix proportions of resin (Part A) and hardener (Part B) on a clean board with a spatula or steel trowel. Mix thoroughly until an even streak free grey colour is achieved.

APPLICATION METHOD / TOOLS

Adhesive bonding

When used as an adhesive the mixed Sikadur® UA MY should be applied to both surfaces to be bonded, using a spatula, trowel or gloved hand. Ensure that the epoxy is forced well into the bond surfaces to ensure intimate contact between the Sikadur® UA MY and the substrates.

Patching / repair work

For patching and repair work the mixed Sikadur® UA MY can be applied to the prepared surface or void using either a trowel, spatula or gloved hand. Ensure that the epoxy is forced well into the repair surface to ensure its intimate contact with the substrate. Once the repair has been completed the surface can be finished with a steel float or trowel to achieve the desired effect. For large volume, corner repairs it may be necessary to install formwork to one side of the void for easier application.

CLEANING OF TOOLS

Clean all tools and equipment immediately after use with fresh water. It is recommended that protective gloves and clothing be worn during application, however, uncured Sikadur® UA MY may be removed from skin with Sika Hand Cleaner or warm soapy water. Cured Sikadur® UA MY can only be removed mechanically.

LIMITATIONS

- Sikadur® UA MY will not cure at temperatures below 5 °C.
- Optimal application temperatures for Sikadur® UA MY are between 10 °C and 30 °C.
- The stated pot life for Sikadur® UA MY is based on a mixed volume of 500 g. Pot life decreases as mixed volumes increase.
- Do not add water to Sikadur® UA MY when mixing. The addition of water will have a negative effect on strength and performance.
- To avoid shrinkage caused by exothermic reaction, Sikadur® UA MY should not be applied in layers greater than 40 mm per application.

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.

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.

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 (Singapore) Pte Ltd.

28 Tuas South Ave 8

Singapore 637648

Phone: +65 6861 0632

Fax: +65 6862 3915

Email: sales@sg.sika.com

www.sika.com.sg



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