

PRODUCT DATA SHEET

Sikadur[®]-42 MY

POURABLE EPOXY GROUT

DESCRIPTION

Sikadur[®]-42 MY is a 3 parts pourable grout, based on a combination of epoxy resins and specially graded aggregates. After mixing, it forms a flowable mortar, suitable for grouting and filling.

USES

Sikadur[®]-42 MY may only be used by experienced professionals.

- Self-levelling, flowable epoxy mortar on concrete, stone, mortar, steel, aluminium, asbestos, cement, wood, polyester and epoxy
- Structural bonding of starter bars, anchors, support, braces and tie bars
- Grouting of crash barrier posts, bearing plates, machine bases, mechanical bridge joints and bridge bearings
- Tie-less rail grouting of crane rails, in tunnels and on bridges

CHARACTERISTICS / ADVANTAGES

- Fast, accurate fixing
- Rapid strength gain
- Shrinkage free hardening
- High mechanical strength
- Hardens even at high humidity
- High resistance against abrasion impact and vibration
- Can be applied on dry and damp surfaces (no standing water)
- Good flow characteristics even in thin layers

PRODUCT INFORMATION

Composition	Epoxy resins	
Packaging	25 kg sets (Parts A+B+C)	
Shelf Life	1 year from the date of production	
Storage Conditions	Store properly in original, unopened and undamaged packaging in dry and cool conditions between +20 °C to +30 °C. Protect from direct sunlight, water and rain.	
Density	~2.0 kg/l	(EN 12190)

TECHNICAL INFORMATION

Compressive Strength	> 70.0 N/mm ² (at 7 days)	(ASTM C 579)
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Tensile Adhesion Strength	To concrete (at 7 days)	~3.0 N/mm ² (concrete failure)	(EN 1542)
Shrinkage	No expansion and shrinkage		(EN 12617-4)

APPLICATION INFORMATION

Mixing Ratio	By weight	Part A : part B : part C = 2 : 1 : 12
	By volume	Part A : part B : part C = 2 : 1 : 7
Yield	25 kg set yields 12.5 L of grout	
Layer Thickness	12 mm min. / 50 mm max.	
Ambient Air Temperature	+20 °C min. / +35 °C max.	
Substrate Temperature	+20 °C min. / +35 °C max.	
Pot Life	40–45 minutes at 25 °C	(EN ISO 9514)

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Substrate and contact area of base plate, etc. must be clean and sound. Remove laitance, oils and grease by sandblasting or bush hammering. Vacuum clean. Sandblast bottom of base plates and solvent wipe clean. Remove defective areas and patch with Sikadur®-41 CF Normal (refer to Product Data Sheet for details). Allow to cure.

Formwork

Due to the flowable consistency of Sikadur®-42 MY, seal the forms to prevent seepage. Apply wax to forms or use other bond breaking materials to prevent adhesion of epoxy grout.

MIXING

Mix all of part B (hardener) with all of part A (resin) for at least 2 minutes with a low speed electric drill (500 rpm) until a smooth consistency and uniform colour is achieved. Then add all of part C (aggregates) and continue mixing until a homogeneous mix is obtained. Use immediately.

APPLICATION METHOD / TOOLS

Grouting Under In-Place Equipment

Pour mixed Sikadur®-42 MY into forms. The low viscosity allows it to self-level rapidly. Chaining or rodding is not necessary under normal conditions.

Grouting New Pads

Set levelling shims, screeds or adjusting screws. Pour grout in single or multiple lifts from 25–50 mm thick. Maintain 50 mm minimum head to ensure intimate contact between grout and plate.

Gravity head may be used to increase flow rate and distance, if desired. Machine base must nest in Sikadur®-42 MY pad. Place sufficient grout in form to rise slightly above underside of machine base. Strip forms after cure.

CLEANING OF TOOLS

Clean all tools and application equipment with water

immediately after use. Hardened or cured material can only be mechanically removed.

IMPORTANT CONSIDERATIONS

- Minimum age of new concrete is 3–6 weeks (depending on climate).
- Do not thin Sikadur®-42 MY.

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 recom-

mendations, 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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