

## PRODUCT DATA SHEET

# Sikadur®-41 CF Normal MY

3 components thixotropic epoxy patching mortar

### DESCRIPTION

Sikadur®-41 CF Normal MY is a thixotropic, 3-component patching and repair mortar, consisting of Sikadur®-31 CF Normal, and aggregates with special catalyst.

### USES

Sikadur®-41 CF Normal MY may only be used by experienced professionals.

As a repair and bonding mortar for:

- Concrete elements
- Hard natural stone
- Ceramics, fibre cement
- Mortar, bricks, masonry
- Steel, iron, aluminium
- Wood
- Polyester, epoxy
- Glass

As a repair mortar:

- Filling of cavities and voids
- Vertical and overhead use
- Corners and edges

As an abrasion and impact resistant wearing course:

- Joint filling and crack sealing
- Joint and crack arris / edge repair

### CHARACTERISTICS / ADVANTAGES

- Easy to mix and apply
- Very good adhesion to most construction materials
- High strength
- Thixotropic: Non-sag in vertical and overhead applications
- Hardens without shrinkage
- Different coloured components (for mixing control)
- High initial and ultimate mechanical strength
- Good abrasion resistance
- Good chemical resistance

### PRODUCT INFORMATION

<b>Composition</b>	Epoxy resin	
<b>Packaging</b>	Part A	3.33 kg
	Part B	1.67 kg
	Part C	5 kg
	Part A+B+C	10 kg set
<b>Shelf Life</b>	24 months from date of production	
<b>Storage Conditions</b>	Store in original, unopened, sealed and undamaged packaging in dry conditions at temperatures between +5 °C and +30 °C. Protect from direct sunlight.	
<b>Density</b>	2.0 ± 0.1 kg/l at +23 °C (component A+B+C mixed)	

## TECHNICAL INFORMATION

Compressive Strength	<b>Curing Time</b>	<b>Temperature +23 °C</b>	(DIN EN 196)
	1 day	~62 N/mm <sup>2</sup>	
	3 days	~79 N/mm <sup>2</sup>	
	7 days	~82 N/mm <sup>2</sup>	

## APPLICATION INFORMATION

Mixing Ratio	Part A:B:C	2:1:3 by weight	
Consumption	~2.0 kg/m <sup>2</sup> per mm of thickness		
Layer Thickness	60 mm max. When using multiple units, one after the other. Do not mix the following unit until the previous one has been used in order to avoid a reduction in handling time.		
Product Temperature	+10 °C min. / +30 °C max.		
Ambient Air Temperature	+10 °C min. / +30 °C max.		
Dew Point	Beware of condensation! Substrate temperature during application must be at least 3 °C above dew point.		
Substrate Temperature	+10 °C min. / +30 °C max.		
Substrate Moisture Content	Substrate must be dry or matt damp (no standing water). Brush the primer well into the substrate before applying Sikadur®-41 CF Normal MY.		
Pot Life	<b>Temperature</b>	<b>Pot life*</b>	(EN ISO 9514)
	+10 °C	~180 minutes	
	+23 °C	~60 minutes	
	+30 °C	~40 minutes	

\*200 g

The pot life begins when the resin and hardener are mixed. It is shorter at high temperatures and longer at low temperatures. The larger the quantity mixed, the shorter the pot life. To obtain longer workability at high temperatures, the mixed adhesive may be divided into portions. Another method is to chill part A+B before mixing them (not below +5 °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

Sikadur® resins are formulated to have low creep under permanent loading. However due to the creep behaviour of all polymer materials under load, the long term structural design load must account for creep. Generally the long term structural design load must be lower than 20–25 % of the failure load. Please consult a structural engineer for load calculations for your specific application.

## 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 con-

tains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY

Mortar and concrete must be older than 28 days (depends on minimal requirement of strengths). Verify the substrate strength (concrete, masonry, natural stone). The substrate surface (all types) must be clean, dry and free from contaminants such as dirt, oil, grease, existing surface treatments and coatings etc. Steel substrates must be de-rusted similar to Sa 2.5 The substrate must be sound and all loose particles must be removed.

### SUBSTRATE PREPARATION

#### Concrete, mortar, stone, bricks

Substrates must be sound, dry, clean and free from laitance, ice, standing water, grease, oils, old surface treatments or coatings and all loose or friable particles

must be removed to achieve a laitance and contaminant free, open textured surface.

#### **Steel**

Must be cleaned and prepared thoroughly to an acceptable quality i.e. by blastcleaning and vacuum. Avoid dew point conditions.

#### **MIXING**

Mix parts A+B together for at least 3 minutes with a mixing spindle attached to a slow speed electric drill (max. 300 rpm) until the material becomes smooth in consistency and a uniform grey colour. Then add part C and continue until mixture is homogeneous. Avoid aeration while mixing. Then, pour the whole mix into a clean container and stir again for approx. 1 more minute at low speed to keep air entrapment at a minimum. Mix only that quantity which can be used within its pot life.

#### **APPLICATION METHOD / TOOLS**

Prime the substrate with Sikadur®-31 CF Normal. Brush the primer well into the substrate. For patch repair, apply Sikadur®-41 CF Normal MY epoxy patching mortar to the prepared surface with a spatula, trowel, notched trowel, (or with hands protected by gloves), whilst the primer is still tacky. When applying as a repair mortar in a large area, use some formwork.

#### **CLEANING OF TOOLS**

Clean all tools and application equipment with Sika® Colma Cleaner immediately after use. Hardened or cured 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 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.

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#### **Product Data Sheet**

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