

# Sikadur® 42 MP

## 3-component epoxy resin castable grout

**Description** 3 component solvent free, moisture tolerant, epoxy grouting system.

**Uses**

*High strength grouting of*

- Starter bars
- Anchors
- Fasteners
- Tie rods
- Crash barrier posts
- Fence and railing posts

*Under grouting and bedding of*

- Base plates
- Mechanical bridge joints
- Bridge bearings
- Machine bases for Large compressors, heavy machineries

*Tie less rail grouting*

- Crane rails
- Light rail and permanent way In tunnels
- Light rail and permanent way In tunnels On bridges

**Advantages**

- Ready to mix
- Good flowability
- Rapid hardening according to grade used
- Moisture tolerant
- Shrinkage-free hardening
- Low Coefficient of thermal expansion
- Corrosion and chemically resistant
- High mechanical strength
- Tough vibration resistant material

**Product Data**

**Colour** Mix – Grey



<b>Store conditions</b>	+5°C to +30°C
<b>Shelf life</b>	24 months when unopened and stored correctly.
<b>Packaging</b>	12 Kg sets (A+B+C)

## Technical Data

<b>Specific</b>	~2.13 kg/litre.
<b>Mixing ratio</b>	Comp. A : B : C = 5 : 1 : 30 parts by weight

<b>Pot life</b>	Temp. °C	Time
	23	>45min

<b>Compressive strength</b>	~100 N/mm <sup>2</sup> @ 7 days, 27°C ASTM C349/ C109
<b>Flexural strength</b>	35 N/mm <sup>2</sup> ASTM C348
<b>Bond strength</b>	On concrete 3N/mm <sup>2</sup> ( concrete failure )
<b>Young Modulus</b>	18,000 N/mm <sup>2</sup>
<b>Thickness</b>	Min -10mm, max - 150mm

## Application

<b>Surface preparation</b>	All surface must be free from standing water and all loosely adhering particles. Cement laitance should be removed by mechanical means.
<b>Priming</b>	Not required
<b>Mixing</b>	Mix comp A&B together for atleast 3 minute with a slow speed electric drill. (max400 RPM) Then add aggregates (comp C) and continue mixing until a homogeneous flowing mortar is achieved (~5 min)
<b>Application</b>	When grouting under bearing plates, ensure there is sufficient pressure to maintain movement of the grout. Air must be allowed to escape. For large volumes, apply more than one layer, ensuring the previous layer has harden and cooled.
<b>Cleaning</b>	Clean all tools and equipment immediately after use with thinner C
<b>Notes on application / Limits</b>	Maximum Thickness per layer: 15 cm Minimum substrate temperature 5°C Maximum substrate temperature 40°C

## Health and Safety Information

<b>Ecology</b>	A+B in liquid form polute water.
<b>Transportation class</b>	Comp A, C-non hazardous, Comp B-hazardous refer to safety data sheet
<b>Waste disposal</b>	According to local law
<b>Toxicity</b>	Comp B may cause burns and damage to eyes
<b>Important notes</b>	Product may cause skin irritations. Wear gloves and goggles. If the material is accidentally splashed into the eyes, flush immediately with

water and seek medical attention without delay.

---

## Disclaimer

*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.*

---

Construction



Sika Limited (Vietnam)  
Nhon Trach 1 Industrial Zone,  
Nhon Trach Dist., Dong Nai Province  
Tel: (84-61) 3560 700 Fax: (84-61) 3560 699  
www.sika.com.vn, sikavietnam@vn.sika.com

