

Technical Data Sheet
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Sikadur® -752



PT. ANUGERAH MANDIRI WATERPROOF

Sikadur® -752

Low Viscosity Epoxy Resin Injection

Description	A solvent-free, 2-component super low viscosity-liquid, based on high strength epoxy resins. Specially for injecting into cavities and cracks in concrete. Complies with A.S.T.M C 881-78 Type I, Grade 1, Class B + C
Uses	To fill and seal cavities and crack in structural concrete such as columns, beams, foundations, decks and water-retaining structures.
Advantages	<ul style="list-style-type: none"> ■ Tenacious crack sealing grout. ■ Super – low viscosity. ■ Suitable in both, dry and damp conditions. ■ High mechanical and adhesive strength. ■ Hard, but not brittle. ■ No shrinkage
Coverage	Theoretical yield is 9.25 litres / 10 kg set
Instruction for Use	
Surface Preparation	Surface must be clean and sound. It may be dry or damp, but free of standing water.
Mixing	Pre-mix each component. Proportion 2 part Component A to 1 part Component B into a clean pail. Mix thoroughly for 3 minutes with a paddle on low - speed (400-600 rpm) drill until uniformly blended. Mix only quantity that can be used within its pot life.
Application	To gravity feed crack – pour Sikadur 752 into vee-notched crack until completely filled. To pressure inject cracks – use automatic injection equipment or manual method. Seal parts and cracks with Sikadur 731, after cured inject Sikadur 752 with steady pressure.
Limitations	Maximum crack width 5.0 mm. Minimum age of concrete must be 28 days prior to application
Caution	Wear protective clothing , goggles, gloves and or barrier cream. In case of contact with skin, wash plenty of water immediately and consult a physician.
Technical Data	
Colour	Yellowish
Mix Ratio	Comp. A : B = 2 : 1 by weight/volume
Mix Density	Approx. 1.08 kg/l
Viscosity	180 ± 25 cps
Pot Life 30° C	35 minutes



Tensile Strength (ASTM D-638) 28 days	270 kg/cm ²
Flexural Strength (ASTM D-790) 28 days	400 kg/cm ²
Bond Strength	
To concrete, 28 days	>20 kg/cm ² (concrete failure, over mechanically prepared concrete surface)
To steel, 28 days	>90 kg/cm ² (steel surface blast cleaning to SA 2 ½)
Compressive Strength (ASTM D-695)	
7 days	620 kg/cm ²
28 days	640 kg/cm ²
Modulus Of Elasticity	10,600 kg/cm ²
Coefficient of thermal expansion (-20°C to +40°C)	89 x 10 ⁻⁶ per ° C
Shelf Life	1 year when unopened
Packaging	10 Kg set
Storage	Dry, cool, shaded place
Handling Precautions	<ul style="list-style-type: none"> ■ Avoid contact with skin and eyes ■ Wear protective gloves and eye protection during work ■ If skin contact occurs, wash skin thoroughly ■ If in eyes, hold eyes open, flood with warm water and seek medical attention without delay

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 product when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sales and delivery. Users should always refer to the most recent issue of the technical Data Sheet for the product concerned, copies of which will be supplied on request.



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