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TECHNICAL DATA SHEET TDS088  
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## EPOXY BRICK ADHESIVE

### DESCRIPTION

SEALOCRETE EPOXY BRICK ADHESIVE is a two part, solvent free, high strength epoxy resin adhesive.

### USES

Fixing and repairing tiles, slates and brick slips, crack sealing prior to resin injecting work and thin section patching repairs.

### ADVANTAGES

- \* **UNIVERSAL**  
Bonds most building materials on site.
- \* **VERSATILE**  
Simple 1:1 mix ratio, mix only what you need.
- \* **HIGH STRENGTH/DURABILITY**  
High bond strength and excellent resistance to weathering.
- \* **COLOUR CODED COMPONENTS**  
Aid to ensure correct mixing.

### PACKAGING

SEALOCRETE EPOXY BRICK ADHESIVE is supplied in 15kg packs. Each pack consists of two separate containers marked Pack A and Pack B.

### MIXED COLOUR

Buff.

### TECHNICAL DATA

Density	1700kg/m <sup>3</sup>		
Coverage	1.7kg/m <sup>2</sup> per mm thickness		
Consistency	Thixotropic Thin Paste		
Pot Life	45 minutes at 20°C		
Initial cure	1-4 hours dependent on volume		
Full cure	7 days		
Application Temperature	+5 to +35°C		
Service Temperature	-20 to +60°C		
Compressive Strength (BS6319 Pt 2) M/mm <sup>2</sup>	<u>24hrs</u>	<u>3 days</u>	<u>7 days</u>
	18	38	68
Tensile Strength (A.S.T.M. C307) N/mm <sup>2</sup>	4.1	9.0	14.0
Flexural Strength (BS6319 Pt 3) N/mm <sup>2</sup>			21.0
Shear Strength N/mm <sup>2</sup>			48
Shear Adhesion to Steel N/mm <sup>2</sup>			8.9
Modulus of Elasticity BS6319 Pt 3 GN/m <sup>2</sup>	6.5		
Linear Shrinkage (A.S.T.M. C531)	0.07%		
Water Absorption (A.S.T.M. C413)	0.17%		

## Chemical Resistance

	24 hrs	48 hrs	7 days	14 days
Dilute Hydrochloric Acid	U	U	U	U
Dilute Nitric Acid	U	U	U	LA
Dilute Sulphuric Acid	U	U	U	LA
Dilute Acetic Acid	U	U	U	U
dilute Lactic Acid	U	U	U	LA
Sodium Hydroxide Solution	U	U	U	U
Dilute Bleach Solution	U	U	U	U
Brine	U	U	U	U
Sugar Solution	U	U	U	U
Detergents	U	U	U	U
Hydraulic Fluids	U	U	U	U
Hydraulic Fluids	U	U	U	LA
Water	U	U	U	U
Petrol and Jet Fuels	U	U	U	U

KEY: U Unaffected D Discoloured  
A Attacked L Slightly

All specimens were fully immersed for the duration of the test. Experiments were carried out under controlled laboratory conditions and are for guidance only. For details regarding resistance to chemicals other than those listed, contact the Technical Services Department.

NB: In all cases of chemical spillage it is essential that the spillage be removed as quickly as possible and the surface washed down with water.

## METHOD OF USE

### Surface Preparation

Surfaces to be bonded must be clean, sound and free from dust, dirt, grease and oils etc. Steel plate must be grit blasted to remove oxides, scale, rust etc. Galvanised metal surfaces should first be primed with a suitable Etch Primer. Apply the material without delay.

*We endeavour to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, we have no control over the circumstances in which our product is used and it is therefore important that the end user satisfy himself by prior testing that the product is suitable for his specific application and that the actual conditions of use are suitable. Accordingly, no responsibility can be accepted, or any warranty given by ourselves, our representatives, agents or distributors, other than that the product as supplied by us will meet our written specification. Products are sold subject to our standard conditions of sale and each purchaser and end user should at all times ensure that he has consulted our latest product instructions and safety information.*

## Mixing and Application

Equal volumes (or weights) of Pack A and B should be thoroughly mixed together until a uniform grey colour is obtained. Mechanical mixing is recommended for large quantities, preferably with an industrial hand drill and paddle attachment driven at low R.P.M. Care should be taken to ensure that the mixing paddle scrapes the sides and bottom of the tin during mixing. SEALOCRETE EPOXY BRICK ADHESIVE is then ready to use. Application may be carried out by gloved hand, spatula, finger trowel etc, or by suitable bulk fill gun. The two materials to be bonded must be held in place until initial cure has taken place. Ensure that cross contamination of the A and B packs does not occur via the tools used.

## Damp Surfaces

EPOXY BRICK ADHESIVE will adhere to damp surfaces providing they are porous.

## Cleaning of Tools

Clean all tools and equipment immediately after use with SEALOCRETE THINNERS NO. 3.

## STORAGE

SEALOCRETE EPOXY BRICK ADHESIVE should be stored in cool, dry conditions, away from frost and moisture. this product has a shelf life of twelve months when stored in these conditions in unopened original packaging.

## HANDLING

Contains liquid epoxy resin and a polyamine compound. Irritating to eyes, skin and respiratory system. Do not breathe fumes. Wear suitable gloves and eye/face protection. Wash hands thoroughly with soap and water after use. Harmful if taken internally. For further information refer to the relevant product Health and Safety Data Sheet.

