

SOLIDBOND QSP

Quick-Set Epoxy Adhesive

Solvent-free, quick-set epoxy adhesive for bonding ceramics, acid bricks, steel or concrete.

It may also be used for a wide range of adhesive applications where rapid set and high chemical resistance is required.

UNIQUE PRODUCT BENEFITS

- Excellent chemical resistance - resists attack of petroleum products, acids and alkali.
- Durable, non-shrink, high physical strength.
- Fast curing.
- Ease of application.
- Thixotropic and can be applied to vertical or overhead surfaces.
- Good temperature resistance.
- Damp tolerant.

SUBSTRATE REQUIREMENTS

Surfaces that are to be treated must be free of dust, oily residues and loose friable material.

PREPARATION

Surfaces must be clean, sound and dry. Exposed concrete surfaces must be sandblasted or chipped to show well-bonded aggregates. Steel should be grit blasted clean, free of rust, paint or foreign matter to ensure optimum bonding performance of the repair.

TECHNICAL DETAILS

Compressive Strength	> 80 MPa	BS6319
Pull-Off Strength	> 7 MPa (Mild Steel) > 10 MPa (Ceramic)	Elcometer 506
Adhesion to Concrete	> 1.5 MPa (Concrete failure)	ASTM D7234
Hardness	80	Shore D
Water Uptake (Permeability)	Nil	Karsten Test
Solids Content	100%	
Mix Ratio	Mix as supplied (2:1 by volume)	
Gel Time (150mL)	20 to 25 min. @ 25°C	
Practical Pot Life (1.5 L kit)	15 to 20 min. @ 25°C	
Practical Cure	1 to 2 hrs	
Full Cure	5 to 7 days	
Colour	Off white / Natural brown	
Dry Film Thickness	0.5 to 2 mm	
Application Temperature	15 to 35°C	
Service Temperature	Wet 45°C Dry 70°C	
Shelf Life On Storage @ 25°C	18 months	

PACKAGING

Solidbond QSP is supplied in 1.5 L kits

Leading manufacturers of specialist epoxy and polyurethane flooring systems, specialised construction and corrosion protection products.

Distribution facilities nationwide

Western Cape
+27 (0)21 535 4455

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INSTALLATION

Mixing

Ensure product is between 15 - 25°.

Pre-mix each component separately before combining each part on a clean flat board and mix together with a spatula for 4 - 5 minutes. A uniform colour must be achieved after mixing.

Small quantities can be mixed in a 2:1 ratio (by weight).

Placing

Using a spatula, apply the mixed material to the prepared surfaces. Ensure full contact between each surface is achieved. Remove excess adhesive and smooth off the glue line with water.

CLEAN-UP

Use *Solveklean WSBC* and rinse with water.

LIMITATIONS

- Application temperature of minimum 15°C and rising.
- Low temperatures affect the application consistency and cure.
- Hot temperatures reduce working time and increases the cure rate.
- Do not apply onto wet surfaces.
- Do not thin with solvents.

HEALTH AND SAFETY

Epoxy products are to be treated with care. In the event of skin contact, wash well with soap and warm water. Seek medical assistance immediately in case of eye contact.

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHSA No.85 of 1993. The finished system is not hazardous to health or the environment.

WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.

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