

SOLIDBOND SS

Ceramic Tile Paste Adhesive

Solidbond SS is a standard set high performance epoxy adhesive for bonding high alumina ceramics where chemical resistance is required.

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

UNIQUE PRODUCT BENEFITS

- Excellent chemical resistance
- Damp tolerant
- Good temperature resistance - up to 90°
- Paste consistency - ease of application
- Thixotropic and can be applied to vertical or overhead surfaces

APPLICATIONS

- Steel
- High alumina tiles
- Glass
- Concrete
- All regular building materials

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 sand blasted 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	> 85 MPa
Tensile	> 35 to 40 MPa, ASTM D638
Lap Shear	> 15 MPa, ASTM D1002
Tensile Adhesion (Steel)	> 7 MPa
Tensile Adhesion (Concrete)	> 1.5 MPa, cohesive concrete failure
Tensile Adhesion (Ceramic)	> 6 to 7 MPa cohesive failure
Appearance	Part A – Off white Part B – Beige
Service Temperature	Wet 60°C Dry 90°C
Set 25°C	5mm : 2 hrs 2mm : 4 hrs
Set 10°C	5mm : 7 hrs 2mm : 9 hrs
Pot life	35 to 45 min.
Initial Set (25°C)	(5mm thickness) 65 to 70 min. (2mm glue line) 1 ¾ to 2 hrs
Mix ratio	2:1 mix ratio
Specific Gravity (25°C)	Mixed compound: 1.8 to 1.85g / cm ²
Full Cure	48 hrs at 25°C
Application Temperature	8 to 35°C

PACKAGING

Solidbond SS is supplied in a 3 & 15L kit.

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

Eastern Cape
+27 (0)41 451 3944

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INSTALLATION

Mixing

Ensure that the product is between 15 - 25°C. 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 volume).

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 immediate medical assistance for eye contact. If sensitized towards epoxy products avoid all exposure.

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 cannot be held responsible for the workmanship in surface preparation and application of our products. It is vital that the application is done in accordance to our specification.

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