

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.

BENEFITS:



Excellent chemical resistance.



Excellent adhesion on steel, ceramic, glass, concrete, GRP.



*Damp tolerant
Good temperature resistance.
Up to 90°C.*



*Paste consistency - Ease of application.
Thixotropic and can be applied to vertical or overhead surfaces.*

TECHNICAL DETAILS

Compressive Strength	>75 MPa	BS6319
Tensile Shear	23 MPa	
Tensile Pull-off	24 MPa	
Hardness	85	Shore D
Water Uptake (Permeability)	Nil	Karsten Test
Service Temp	Wet 60°C Dry 90°C	
Chemical Resistance	Refer to chemical chart	
Solids Content	100%	
Pot Life	25-35 min	
Practical cure	1 hrs	
Full cure (@25°C)	24 hrs	
Colour	Beige/Off white	
Coverage	1 mm /L /m ²	
Typical Thickness	2-3 mm	
Application Temperature	5 to 28°C	
PACKAGING	3L & 15 L kit	

Shelf Life on storage at 25°C - 12 months

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APPLICATIONS

- steel
- high alumina tiles
- glass
- concrete
- all regular building materials.

SUBSTRATE REQUIREMENTS

All surfaces must be clean and sound.

Concrete

Concrete substrates must have a minimum compressive strength of 20 to 25 MPa, a minimum tensile pull-off strength of 1.5 MPa and be free of oil, fat, grease, dust, and loose friable materials.

Wood

Wooden substrates are to be suitably sanded, existing coatings are to be removed. Sweep dust and loose debris followed by vacuuming, to obtain a dry and dust-free surface.

Steel

Steel surfaces require abrasive blast cleaning (Sa 2 $\frac{1}{2}$., ISO 8501-1: 1988), alternatively the steel can be prepared mechanically to Grade St3. Mechanical cleaning is, however, not as effective as abrasive blasting and results in a shorter maintenance free life.

PREPARATION

Remove all previous coatings, unbonded concrete and laitance mechanically through diamond grinding, abrasive blasting or scarifying to obtain a sound and porous surface (sandpaper texture). Sweep dust and loose debris followed by vacuuming, to obtain a dry and dust-free surface.

HEALTH AND SAFETY

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHS Act 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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