

SUPER-BOND PASTE

Thixotropic Epoxy Adhesive & Surface Sealing Compound

Product Description

SUPER-BOND PASTE is a unique 100% solids, solvent-free, thixotropic, two-component paste epoxy system. It is multifunctional formulation meeting a wide range of building and civil engineering needs.

Product Uses

SUPER-BOND PASTE epoxy system is a high strength adhesive to concrete and masonry substrates. It may be used for:

- Concrete repair and joint reclamation on concrete decks, floors, culverts, bridges, reservoirs, sewage tanks, etc.
- Surface sealing of cracks prior to epoxy crack injection processes using GCP WATER-BAR™ grout and packers.
- Embedding adhesive for SUPER-JOINT™ X rubber membrane to expansion joints in decks and reservoirs.
- SUPER-BOND PASTE has excellent adhesion to most surfaces including: concrete, masonry, brick, CFC, metal, etc.

Features

- SUPER-BOND PASTE is Green Star compliant
- 100% solids – solvent free
- Suitable for drinking water – manufactured with potable grade resins
- Low sag, thixotropic paste consistency
- Dries tack free
- Excellent in-film cure with no shrinkage
- Excellent water immersion and chemical resistance
- Application temperature range 5°C – 30°C
- Tolerates high humidity – no surface blooming

Contact your local GCP representative for any specific requirements.

Preparation

Surface must be clean, sound, and dry and dust free. Apply SUPERBOND PASTE adhesive directly to the prepared substrate – cracks may be chased prior to application, if desired.

Application

Mix SUPER-BOND PASTE Adhesive carefully using a Jiffy or paddle mixer and low-speed electric drill. Avoid air entrapment during mixing. Mix only enough material that can be used within the recommended work time and prevailing ambient conditions.

Apply firmly to substrate by trowel or spatula to a minimum thickness of approximately 0.5mm. This product may be applied to a maximum thickness of 30mm in a single application without occurrence of post-cure shrinkage.

Allow SUPER-BOND PASTE Adhesive to cure a minimum 24 hours before subjecting to stress or load.

Note: This product is not suitable for application to wet substrates or over water flowing cracks. Substrate and cracks should be dry to slightly damp only.



Typical Properties

PROPERTY	TYPICAL VALUE
Mix Ratio (by volume)	1:1
Pot Life @ 25°C	120 min
Mixed Viscosity @ 22°C	>500,000 mPa.s
Specific Density @ 25°C	1.19
Compressive Strength	50 MPa @ 7 days
Flexural Strength	20 MPa @ 7 days
Tensile Strength	30 MPa @ 7 days
Elastic Modulus	3.6 GPa @ 7 days

Coverage

Consumption will vary depending on type of application. Theoretical yield of 4 lit set is 2m² at 2.0mm thickness (DFT) or approx. 0.3 – 0.4 lit /lin metre SUPER-JOINT X.

Clean Up

Use MULTITEK™ XYLENE before curing. Exercise care when using solvents and review all MSDS before use.

Packaging

SUPER-BOND PASTE Adhesive 4 litre set.

Health and Safety

In case of spills and accidents, refer to the MSDS of the products or when in doubt contact your local GCP representative. Always wear protective clothing, gloves and protective goggles when handling chemical products. For full information, consult the relevant MSDS.

Limitations

Information contained in this document does not cover all possible application scenarios or imply product suitability for an application. Please contact your local GCP representative or the GCP Technical Department for further information.

Warranties

GCP and contractors recognised by GCP as experienced in the application of GCP products will provide warranties for individual projects. Warranty periods offered are dependent on project details and complexity. Requests for very long warranty periods may necessitate increased membrane thicknesses to ensure longevity. Contact your local GCP representative for further details.

Release Date: 02/11/18. The information contained in this product data sheet supersedes all previous versions.

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Printed in Australia GCP PDS 074 07/17

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Last Updated: 2023-07-06

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