

SEALBOND 215-B

CONCRETE EPOXY ADHESIVE

Product Description

SEALBOND CONCRETE EPOXY ADHESIVE (215-B) is a two component adhesive system specially formulated for structural concrete application and bonding of old to new concrete. It has a low to medium viscosity. When compounded, the admixture produces a strong bond with minimum shrinkage and flexibility properties. It contains a special polymeric curing agent that provides the film with a high degree of toughness, adhesion and chemical corrosion resistance.

Application Areas

- Bonding new to old concrete
- Repair of cracked concrete structure including earthquake damages
- Sealing concrete pavement and structure against intrusion of water
- Dowelling
- Bonding non-slip aggregates on concrete surfaces
- Securing overlays on concrete surfaces
- General purpose adhesive

Processing Data

Mix Ratio (by volume)	2 Part A: 1 Part B
Gel Time at 25 °C	20-30 minutes
Initial Cure at 25 °C	60-120 minutes
Full Cured at 25 °C	24 hours, 72 hours before applying pressure
Pot Life at 25 °C	30-40 minutes
Shelf Life	Min 2 years at room temperature

Technical / Performance Data

Viscosity	4,900 cps	
Shrinkage	Minimum shrinkage at curing action	
Compressive Strength ASTM C109-95/ D695	Min	8,000 -10,000 at 7 days
	Max	12,000 -14,000 at 7 days
Tensile Strength (ASTM D638)	4,000 – 7,000 psi at 7 days	
Flexural Strength (ASTM D790)	5,000 – 8,000 psi at 7 days	
Resistance to Chemicals	Highly resistant to most acids, alkalis, salts, alcohol & solvents.	
Solid by volume	100%	

Procedure & Guidelines

SURFACE PREPARATION

GENERAL

All surfaces must be thoroughly cleaned to remove dirt, grease, mill scale, loose rust, chalk, and any other contaminants that can reduce adhesion.

MIXING

Mix 2 Parts by volume of Resin Base (Part A) to 1 Part by Volume Hardener (Part B). Use of a power mixer is recommended to attain complete homogenizing of a compound. Mix only enough quantities that can be used within the pot-life of the mixture.

APPLICATION

Apply SEALBOND EPOXY 215-B using roller or brush on the surface at the rate of 6 to 8 sq. meters per gallon depending on the thickness of deposit or porosity of the substrate.

Pour fresh concrete while SEALBOND EPOXY 215-B is still wet or tacky. Use brush with stiff bristles to fill up concrete voids and concrete crevices with Epoxy industrial Adhesive.

SEALBOND 215-B

Clean up. All tools and equipment must be cleaned immediately after application. Use Sealbond Epoxy Reducer to remove excess resin and hardener.

Theoretical Coverage

SEALBOND 215-B covers approximately 6m² to 8m² per gallon depending on the thickness of deposit or porosity of the substrate

Health & Safety

Avoid contact with eyes and skin and avoid breathing its vapor. This product may cause severe skin irritation after prolonged or repeated exposure. Keep containers tightly closed and store in a cool dry place.

Product is for Professional use only.

Storage / Packaging

SEALBOND 215-B is available in 3.8kg per gallon kit.

This product must be stored dry, protected from sun and rain.

Product Limitations

Product can withstand heavy load but cannot withstand excessive abrasion.

Additional Information - Disclaimer

The information and in particular, recommendations relating to the application and end-use of Sealbond products, are given in good faith based on Sealbond's best knowledge and specialty on construction chemical formulations. Products are properly stored and handled in accordance with Sealbond's endorsements. Hence, subject to the care and method of application, deviations (from published values) in performance may occur. In practice, to different materials used, as well as varying working conditions and environments beyond our control Sealbond Chemical Industries Inc. strictly recommend carrying out intensive trials to test the suitability of the product with regards to the required processes and applications. Therefore, any liability for such recommendations or any oral/verbal advice is expressly excluded unless we have acted wilfully or by gross negligence. Sealbond Chemicals Industries Inc. is not liable for installation or faulty installation. It is always the responsibility of the installer/applicator/purchaser to guarantee and certify the installation of materials.

All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the Product Data Sheet for the product awareness, copies of which will be supplied on request and is free of charge.



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