



BONDCRETE STRUCTURAL EPOXY BONDING AGENT

TECHNICAL DATA SHEET



PRODUCT DESCRIPTION

BONDCRETE STRUCTURAL EPOXY BONDING AGENT is a solvent free epoxy resin formulation for bonding new cementitious materials to existing cementitious surfaces, commonly known as cold joint. It contains a special curing agent that provides the film with a high degree of toughness, adhesion and chemical corrosion resistance.



RECOMMENDED APPLICATIONS

- ✓ for bonding new cementitious materials to existing cementitious concrete
- ✓ for use on horizontal and vertical surfaces moderate repair especially when structural steels are already exposed and needing corrosion protection
- ✓ ideal for extension and repair to concrete in: Factories, Loading bays, Trucking aisles Bridges and Roads, Cementitious floor toppings



ADVANTAGES

- ✓ Can be applied on damp surface, dry surface
- ✓ Designed for industrial application
- ✓ Excellent adhesion between new and old concrete/mortar
- ✓ High mechanical strength
- ✓ Sealing concrete pavement and structure against intrusion of water



PRODUCT INFORMATION

Mix Ratio	Mix 1 part by volume of Part A Base with 1 Part by Volume of Part B Hardener
Pot Life	45-60 mins at 25 deg C
Full Cure	72 hrs for load pressure
Shelf Life	min of 2 years under normal temp
Compressive Strength	9,000 to 10,000 psi (ASTM D 1184-55)
Chemical Resistance	Highly resistance to most acids, alkalis, salts, alcohols and solvents



ENVIRONMENT

Our facility complies with the proper waste management procedures. Our products are also free of ozone depleting substances.



SUSTAINABILITY

Our company is committed to Carbon Neutrality thru our various programs such as our GHG Emission Reduction Logistics Approach and OPTI Trees Planting Program.



APPLICATION INSTRUCTION

SURFACE PREPARATION

Concrete must be fully cured or at least 28 days old. Surface must be firm, dry, dust free, oil free and clean. All laitance should be removed mechanically.

MIXING AND APPLICATION

Using a clean container, pour the entire contents of the hardener into the resin and thoroughly mix the two materials for 3-5 minutes until a homogenous compound is observed. It is recommended to use an industrial mixing drill.

Pour the fresh concrete or topping while **BONDCRETE STRUCTURAL EPOXY BONDING AGENT** is still wet or tacky.

CLEANING OF TOOLS.

Tools and equipment should be cleaned with EPOXY REDUCER immediately after use.



COVERAGE

Average 30 sqm @1 coating for every gallon set.



HEALTH & SAFETY

BONDCRETE STRUCTURAL EPOXY BONDING AGENT is non-toxic and non-flammable.



QUALITY & DURABILITY ASSURANCE

Our stringent Quality Assurance Procedure for every batch of products manufactured. Our R&D Laboratory based in our production facility ensures that scientific Quality Control Parameters are measured for quality.

Our Quality Control Parameters ensure the stability of our products, ensuring the long-term durability amid exposure to various element and weather conditions.