

ABOUT US

Baral Chemical Company Ltd. is the leading and only local manufacturer of building and any other construction oriented chemicals and materials with extra-ordinary properties which are claimed better ones in comparison with respective field. Manufacturer of various types of building & Construction chemicals such as anti-salinity sealer, concrete admixtures with excellence, cementitious-grouting for concrete-joints, heat reducing & water proofing roof, damp and water proofing liquid felt, cementitious alloy for water leakage, rust remover, pest controlling products and any other constructional problem solving products which are truly for sound construction and healthy environment. Our Research & Development Department (R&D) has been analyzing, improving and adapting new invented technologies since 1986 to provide quality services for our honorable clients.

Epox-SG

Epoxy Based Structural Adhesive & Anchor Grout

Description

Epox-SG is a two components, epoxy base, high strength, structural adhesive and anchor grout. It is available in paste and pourable grades. It is a solvent-free multi-purpose high performance epoxy resin based grouting system designed for structural applications in adverse weather conditions. **Epox-SG** is supplied as a two component system, with a high flow capability.

Usages Area

Epox-SG is used as epoxy grout for base plate bolt pockets, bar anchor, starter bars, bridge bearing, boom fixing, etc. It is also used for speedy and permanent patching repairs to concrete structures, bonding of precast concrete components, bridge bearings to concrete and all structural repair works where strength, impermeability to water and resistance to aggressive chemicals is essential.

Advantages

- ✓ High early and ultimate strength
- ✓ High bond strength to correctly prepared concrete and to steel
- ✓ 3 to 4 times stronger than typical concrete
- ✓ Good adhesion to most of the substrates
- ✓ resists vibration and highly repetitive loading
- ✓ Excellent resistance to abrasion and impact
- ✓ Corrosion resistant
- ✓ Unaffected by a wide range of acids, alkalis and industrial chemicals
- ✓ Suitable for dynamic loads
- ✓ Two grades in paste and pourable variants
- ✓ Tolerant to damp conditions
- ✓ Fast application for complex and large baseplates

Mixing Instructions

Stir base and hardener individually before mixing. Add hardener to base component. Mix together thoroughly with a slow speed drill (max 400 R.P.M.) fitted with a paddle for one minute till a uniform colour and consistency is obtained.

Application Instructions

For Anchor Bolts: Anchor bolt pockets, dowel and starter bar holes must be dry. Pour the mixed grout into the bolt hole and push the bolt/dowel bar into the hole with a slight agitation to remove entrapped air.

For Patching Work and as Adhesive: Apply the material by using notch trowel, scrapper or with a big spatula for a minimum thickness of 1 mm. Bonding of elements should be done while **Epox-SG** is still tacky.

Support

BCCL provides technical support and service to specify dosages, chemical mixing, application method and by perfect supervision.

Pot Life

Pot life will vary depending on quantity mixed and placed and temperature. The larger the volume and the higher the temperature, the shorter will be the pot life. As a guide, the pot life of a 10kg kit mixed at 23°C would be approximately 30 minutes.

Package

1ltr, 3 ltr and 6 ltr set

Shelf Life

12 months from date of manufacture when stored under warehouse conditions in original unopened packing.

Cleaning

Clean all equipments and tools with water immediately after use

Health & Safety

No hazards and not inflammable

No health hazards and environment friendly

Safe to handles and non- hazardous

If spread in mouth or eyes, wash by much water; before taking food, hands should be washed out properly with soap or detergent.

Additional Information

Technical Services are available on request for onsite support to assist in the correct use of its products. Refer MSDS. (Available on request.)

TYPICAL PROPERTIES at 25°C			
PROPERTY	TEST METHOD	VALUE	
Component	-	Two: Part A- Base	
Part B- Hardner			
Mixed Form	-	Pourable & Paste	
Colour	-	Grey when mixed	
Compressive Strength	BS 6319-2	1 Day	45 N/mm ²
		7 Days	80 N/mm ²
Flexural Strength	BS 6319-3	7 Days	35 N/mm ²
Tensile Strength	BS 6319-7	7 Days	25 N/mm ²
Bond Strength	ASTM C882	7 Days	20 N/mm ²
Pot Life			-
45-70 mins (2kg mixed material)			
Water Penetration	BSEN 12930-8	Nil	



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