



BluRez 322

PRECISION EPOXY GROUT



BluRez 322 is a 3 component high strength epoxy grout specially designed to withstand static and dynamic loads. It consists of an epoxy resin, curing agent and inert aggregates. Once mixed, it becomes a flowable and industrial grout.

Uses

BluRez 322 is used for structural anchoring of bolts, inserts and reinforcement. Deep foundation grouting, transport and crane rail anchoring/grouting, high strength support of rotating machinery, support of mobile equipment, precision grouting of mining equipment and structural concrete repairs.

Advantages

- Excellent flow properties
- Low exotherm
- Extended work time
- Non shrink for maximum bearing area
- Resistant to a wide range of chemicals
- Deep pours and high temperature applications

Preparation

Concrete should be at least 28 days old. All defective host substrate must be removed prior to application. Defective material includes cracked or structurally weakened surfaces and also chloride contaminated and carbonated concrete. A concrete corrosion expert must be consulted for critical projects or structural applications. Host concrete must be roughened and aggregate exposed to ensure good bond. High pressure water blasting or shot blasting of the surface is recommended for this purpose. All surfaces must be free of dust, oils and surface contaminants. This may require steam cleaning or high pressure water blasting if site conditions permit.

Mixing

Ensure sufficient grout is available on hand to complete the intended pour in a continuous process. Pour the Part B component into the Part A and mix for 1 – 2 minutes with a slow speed mechanical mixer. Ensure the mixing blade is completely submerged into the liquids. This will prevent the formation of air bubbles in the final product. Transfer the entire content of the mixed A + B into a larger mixing vessel. Mix thoroughly for 1 minute using slow speed drill (400-600rpm) and mixing paddle. While the mixer is turning, add Part C progressively. Continue mixing for further 2 minutes to obtain a homogeneous mix. If grouting is to take place in high ambient temperatures, store bags of grout and resins in a cool place that will keep the temperature below 30°C. Shade the mixing area and the location to be grouted.

Application

BluRez 322 may be poured or pumped into place. Check formwork for leaks prior to mixing and application of grout. Do not exceed the maximum application thicknesses specified in this data sheet. Consult Bluey for further information about aggregate addition for large volume pours.



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Product Data

Please refer to Important Notice on following page

Packaging	Supplied in 26.50kg set Part A 3.79kg Part B 1.94kg Part C 20.78kg
Yield	13.60 litres
Storage Life	12 months in original containers
Pot Life	40 - 50 minutes
Service Temperature	10°C - 50°C
Initial Cure	24 hours @ 25°C
Full Cure	7 days @ 25°C

TESTED CHARACTERISTIC	STANDARD	RESULT
Mixed Density	SS5: Pt B7:2013	1.95 g/litre
Compressive Strength	ASTM C579	>50MPa @ 1 day >100MPa @ 7 days
Bond Strength	ASTM D4541 (adopted)	>2.0MPa
Tensile Strength	ASTM C307	>8.9MPa
Flexural Strength	ASTM C580	>16.5MPa
E-Modulus	ASTM D695	2429MPa

Note: Above test was carried out @ 27 ± 1°C



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