

BluRez 301

EPOXY MORTAR



BluRez 301 is supplied as a two component, high strength, solvent free epoxy patching mortar.

Uses

BluRez 301 is suitable for a variety of applications including the preparation of long lasting industrial flooring, general structural applications and concrete restoration.

Advantages

- High mechanical properties
- Resistant to a wide range of industrial chemicals
- Bonds well to damp surfaces
- Non flammable
- Underwater 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. Grinding, 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. Prime concrete surfaces using mixed BluRez 302LV at a rate of 8m²/litre. BluRez 301 must be applied wet-on-wet or when the surface is still tacky.

Mixing

Use a slow speed (400 rpm) mechanical mixer and mix thoroughly. Add one part of BluRez 301 hardener to three parts of BluRez 301 compound. Mix until uniform.

Application

Mechanically clean concrete and steelwork to remove loose, weak and contaminated surfaces and rust, scale, etc. Degrease steelwork if necessary. Remove dust and debris. Ensure surfaces are dry and prime with BluRez 302LV, working into surface. Allow to cure for 5 - 10 minutes before firmly applying BluRez 301. A smooth surface may be obtained with a trowel. BluRez 302LV may be applied to dry or slightly damp, but not wet surfaces. BluRez 301 may be used on wet surfaces but must thoroughly worked into the wet surface to obtain complete surface protection and adhesion. BluRez 301 should not be applied more than 20mm thick in one application on vehicle surfaces, to prevent slumping. In most cases, where concrete surface is rough, no primer is required.



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Product Data

Please refer to Important Notice on following page

Packaging	3kg and 12kg set
Coverage	~1.85 - 1.95 kg/m ² /mm thickness
Thickness per Application	1 - 20 mm
Appearance	Part A: White Paste Part B: Soft Black Paste
Density	Part A: 2.20 ± 0.06 Part B: 1.85 ± 0.06
Mixing Ratio by Weight	3 Part A : 1 Part B
Mixed Colour	Grey
Pot Life	45 ± 5 mins (100g @ 25 ± 3°C in paper cup)
Water Immersion	May be applied and cured underwater
Full Cure	7 ± 2 days at 25°C ± 3°C
Storage Life	12 months in original packaging

TESTED CHARACTERISTIC	STANDARD	RESULT
Compressive Strength	BS EN 12190:1999	≥45N/mm ² @ 7 days
Tensile Strength	ASTM C307:2003 (2012)	>13.8N/mm ²



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Contact Bluey

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