



BluRez 302LV

LOW VISCOSITY EPOXY INJECTION RESIN



BluRez 302LV is a two component epoxy liquid which requires only mixing to form a low viscosity injection resin.

Uses

BluRez 302LV is used for structural injection and grouting repairs, general concrete repairs, as a primer for porous concrete or as a sealer for floor toppings.

Advantages

- Low viscosity aids penetration
- Excellent surface wetting
- Solventless
- Bonds well to damp and dry surfaces
- Fast hardening

Preparation

Evaluate joint or crack for injection. Drill holes either side of the crack, sloping towards the crack at an angle of approximately 45°, beginning at a distance of 120 - 150mm from the crack. Insert packer at a depth of approximately 100mm. If using surface mounted packers place them over the prepared crack using an approved epoxy paste. The spacing of the packers will vary depending on the crack.

Mixing

BluRez 302LV is supplied in precisely proportioned packaging ready for mixing. It is critical to the successful use of this product that part portions are not mixed. Add the two components together being sure to add the complete proportion of Part B to Part A. Mix together using a slow speed mixer (400rpm) for at least 3 minutes or until a uniform mixture is achieved.

Application

Commence from the widest part of the crack and proceed injecting outwards along the crack in each direction. Turn on pump and slowly increase pressure to a maximum of 10 - 15 bar. Stop pumping for every litre injected and allow 1 - 2 minutes for reaction. Start and stop injection until the packer will no longer accept material or if the specified pressure has been reached. Move to the next packer and repeat injection process. Continue injection until crack is full and has been adequately sealed. Monitor the effectiveness of the work and allow to settle for 2 - 3 days before returning to site and completing additional injection if required.





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Product Data

Please refer to Important Notice on following page

Appearance	Part A (light yellow) Part B (golden brown)
Mixed Ratio (A:B)	1.6 : 1 (by volume)
Solids Content	100%
Storage Life	12 months in original containers @ 30°C
Flash Point	Over 65°
Physical or Chemical Change	Chemical cure

TESTED CHARACTERISTIC	STANDARD	RESULT
Viscosity	ASTM C562:2001)	200 - 500 mPa.s
Glass Transition Temperature	BS EN 12614:2004	47.9°C
Tensile Strength	BS EN ISO 527-3:1996	>19N/mm ² @ 20°C @ 7 days
Elongation at Break	BS EN ISO 527-3:1996	5.0%
Compressive Strength	ASTM D695 – 02a)	>75N/mm ²
Tensile Bond Strength	ASTM D4541:2002	>3.0MPa (concrete failure)
Gel Time	ASTM C881:2013	30 mins
Modulus of Elasticity	BS EN ISO 527-3:1996	0.68GPa



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