



BluRez Epoxy 575CG

SEGMENTAL CONSTRUCTION ADHESIVE

BluRez Epoxy 575CG is a two component Kevlar[®] reinforced epoxy paste which only requires mixing to form a high bond structural adhesive.

BluRez Epoxy 575CG is used for the specialised bonding of post-tensioned precast concrete bridge segments, as well as generally bonding, grouting and concrete repair. BluRez Epoxy 575CG will bond well to prepared steel, concrete and other compatible surfaces.

Advantages

- Excellent adhesion to damp and dry surfaces
- Gap filling qualities
- Non-sag on vertical and overhead surfaces
- Excellent chemical resistance

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

BluRez Epoxy 575CG 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

BluRez Epoxy 575CG may be trowelled onto prepared surfaces. Trowel adequate amounts of BluRez Epoxy 575 onto each surface for bonding to create full contact. Bring both surfaces into contact and apply positive pressure until full cure is reached. Where multiple layers of BluRez Epoxy 575 are being applied to a single surface, roughen between each layer and wait until initial set or all latent heat has dissipated prior to application of next layer.

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Product Data

Please refer to Important Notice on following page

Packaging	12 litre kit
Ratio	1 part hardener : 2 parts compound
Colour	Koala Grey N45
Compressive Strength	58MPa @ 24hrs 75MPa @ 7 days
Tensile Strength	10MPa
Flexural Strength	30MPa
Lap Shear Strength	20MPa
Shear Strength	15MPa
Pot Life	30 - 40 mins @ 30°C
Initial Cure	90 mins @ 2 - 4mm
Adhesion	Greater than concrete tensile strength
Shelf Life	2 years

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