

# BluRez Crack Seal 150

HYDROPHILIC POLYURETHANE INJECTION RESIN



Bluey Technologies Pty Ltd  
ABN 36 115 613 646

PO Box 898, Hamilton  
QLD 4007 Australia  
Tel: + 61 7 3399 3635  
Fax: + 61 7 3899 9822

### DESCRIPTION

BluRez Crack Seal 150 is a one component polyurethane liquid ready for injection which reacts with water to form a hydrophilic flexible seal.

### USES

BluRez Crack Seal 150 is designed for the sealing/grouting and elastic connection of fissures and cavities in buildings and other civil engineering structures constructed of concrete, brickwork and natural stone. Application uses such as tunnel linings, concrete foundations, subterranean curtains, retaining walls, slab on ground and bridge abutments. Generally, the BluRez Crack Seal 150 is most suitable for use in consistently damp or wet environments.

### ADVANTAGES

- Potable water use approved in accordance with AS/NZ 4020:2005
- Hydrophilic for high water stopping properties
- Easy to use, single pack
- Highly flexible for live structures
- Compatibility with most surfaces
- Rapid foam and gel times

### 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 - 150 mm from the crack. Insert packer at a depth of approximately 100mm. Pre-injection with water is recommended for priming and facilitation of reaction.

### MIXING

BluRez Crack Seal 150 is supplied in one component packaging ready for application.

### 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 30 bar. Stop pumping for every litre injected and allow 1 - 2 minutes for setting. 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. BluRez Crack Seal 150 may be injected into the crack with water at a ratio of 1 : 1.





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### PRODUCT DATA

<b>Packaging:</b>	20kg kit
<b>Ratio:</b>	Single component
<b>Density:</b>	1130 ± 20kg/m <sup>3</sup> @ 25°C
<b>Tensile Strength:</b>	0.40MPa
<b>Elongation @ Break:</b>	115%
<b>Foaming Factor:</b>	3 - 3.5*
<b>Start of Foaming:</b>	45 seconds*
<b>Gel Time:</b>	55 seconds*
<b>End of Foaming:</b>	200 seconds*
<b>Tack Free Time:</b>	230 seconds*
<b>Clean Up:</b>	Clean application equipment using polyurethane thinners Flush clean thinners through all hoses and fittings for several minutes Empty the contaminated fluid and re-flush with a clean batch of thinners for several minutes Once again discard the contaminated fluid and fill the pump and hoses with clean thinners until required for later use Collect all discarded thinners for recycling and take care to avoid spillage.
<b>Storage:</b>	Store in dry conditions Shelf life is 12 months

\* Laboratory measurements mixed 1 part water to 3 parts BluRez Crack Seal 150 @ 25°C

### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative or the contractor is responsible for checking the suitability of products for their intended use.

Product properties are dependent upon seasonal and geographical criteria. Product properties and performance may vary between countries and locations within. We recommend that you clarify your specific requirements with your local Bluey representative to ensure that all specific project requirements are met.

### NOTE

Field service where provided, does not constitute supervisory responsibility. Suggestions made by Bluey Technologies Pty Ltd either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Bluey Technologies Pty Ltd are responsible for carrying out procedures appropriate to a specific application.

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