



# BluSeal Leakmaster

HYDROPHILIC GUN GRADE PU WATERSTOP



BluSeal Leakmaster is a unique sealing compound which requires only installation to form a compression seal for in-situ concrete joints.

BluSeal Leakmaster has been designed for sealing various configurations of concrete elements and structures, it is ideal for use in both horizontal and vertical construction joints.

## Application Advantages

- Easy to install onto rough or smooth surfaces
- Excellent adhesion to concrete
- For both vertical and horizontal applications
- No on-site welding required

## Lifecycle Advantages

- Long term durability
- Can withstand 2 Bar hydrostatic pressure

## About the Product

BluSeal Leakmaster is manufactured utilising a specialised single component Polyurethane water swelling resins. This allows the product to be used in major civil engineering project applications and ensures a durable and long lasting installation. BluSeal Leakmaster has the structural integrity and the long term durability to make it suitable for critical infrastructure works. BluSeal Leakmaster unique properties allows it to be applied where conventional solid sealants cannot be easily applied. After curing BluSeal Leakmaster has excellent physical and water sealing properties.

## Application Solutions

- Watertanks
- Basements
- Penetrations, pipes etc
- Shotcrete joints
- shotcrete joints

## Project Specification Clause

HYDROPHILIC WATERSTOP - The hydrophilic waterstop used for this project shall be a single component liquid applied product that has independent testing to validate the performance outlined in the technical data table on the following pages. BluSeal Supertop manufactured by Blueey Technologies or equivalent shall be accepted.

## Project Examples

Tunnels, basement construction, water treatment plants, retaining walls, shotcrete joints.



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### Application Specification

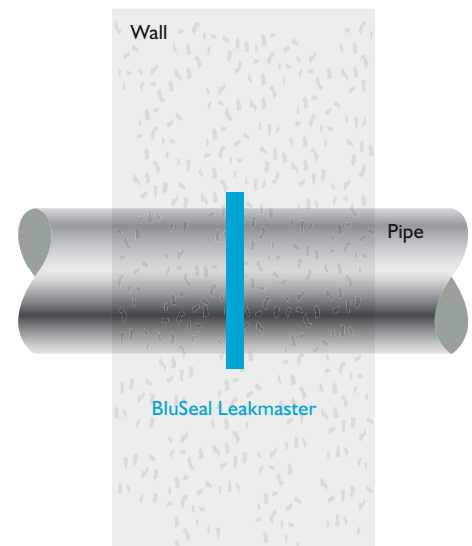
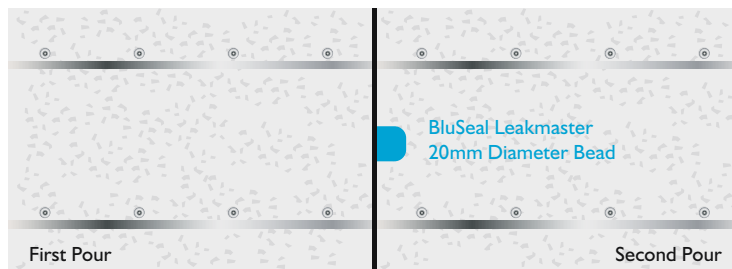
1.1 BluSeal Leakmaster requires a minimum 50mm cover of concrete from the edge.

#### CONCRETE PREPARATION

- 2.1 All defective host substrate must be removed prior to application. Defective material includes cracked or structurally weakened surfaces and chloride contaminated and carbonated concrete.
- 2.2 All surfaces must be free of dust, oils and surface contaminants. This may require steam cleaning or high pressure water blasting

#### APPLICATION

- 3.1 Apply BluSeal Leakmaster continuously without a break.
- 3.2 Placement of the concrete can occur once the contact adhesive has dried, making sure the concrete is properly compacted and vibrated around the BluSeal Leakmaster.
- 3.3 If the BluSeal Leakmaster has been exposed to water prior to the concrete pour, check for pre-expansion. If the product has pre-expanded then remove that section and replace with a new length of BluSeal Leakmaster.





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### Product Data

Please refer to Important Notice on following page

TESTED CHARACTERISTIC	STANDARD	RESULT
Specific Gravity	JIS A 5758	1.23
Extrusion Property	JIS A 5758	3.4 sec @ 23°C
Slump	JIS A 5758	1mm @ 23°C
Tack Free Time	JIS A 5758	6 hours @ 23°C, 60% R.H.
<b>AFTER CURING</b>		
Hardness	JIS A 6253	A39/s
Tensile Strength	JIS A 6251	5.98MPa
Elongation	JIS A 6251	1140%
After Curing	JIS A 6252	14N/mm
<b>SWELLING PROPERTIES OF CURED PRODUCT IMMERSED IN WATER*</b>		
Weight Increase Rate		72% @ 15°C - 20°C, 7 days

\* Test results for distilled water. Expansion rate can vary in salt or contaminated water.



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#### IMPORTANT NOTICE

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