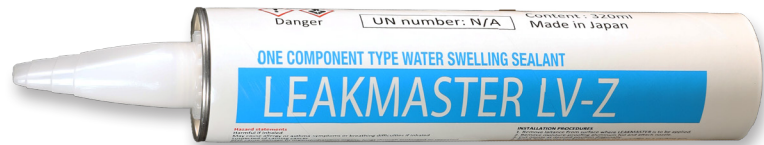


Leakmaster LV-Z

DESCRIPTION

Leakmaster LV-Z is a one component, gun applied, polyurethane water-swelling (hydrophilic waterstop) sealant designed to seal joints where conventional waterstops cannot be applied easily.



FEATURES

- Easy to handle and install
- Excellent adhesion to various materials such as concrete & metal
- Unaffected by repeated wet dry cycles
- No onsite welding is required to join
- Will swell to approx. 2 times in volume as a result of water absorption
- Excellent water sealing properties for construction joints
- Applied with an industry standard cartridge applicator.

AREAS OF APPLICATION

- Water sealing of joints in cast-in-situ concrete
- Water sealing around steel posts/columns, that are cast into concrete
- Water sealing around pipes and pipe penetrations through concrete
- Box Culverts & manhole joints
- Formtie holes & form ties
- Rough or scabbled concrete surfaces

Note: The product's design and performance, its intended use, installation and final confirmation and approval for use, must be provided by the project's Design Engineer and project Manager.

PHYSICAL PROPERTIES

Item	Unit	Result	Test Method
Before Curing			
Appearance	-	Putty-Like	-
Colour	-	Grey	-
Extrudability	Second	7.0	In House Test
Slump	mm/hour	0.5	In House Test
Specific Gravity	-	1.26	In House Test
Tack Free	Hour	<8	In House Test

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PHYSICAL PROPERTIES Cont'd.

Item	Unit	Spec.	Result	Test Method
After Curing				
Hardness	-	A41+/-8/s	A39/s	JIS K 6253
Tensile Strength	MPa	5.8+/-1.0	5.98	JIS K 6251
Elongation	%	1100+/-250	1140	JIS K 6251
Tear Strength	N/mm	13.7+/-3.9	14	JIS K 6252

SWELLING PROPERTIES

Specimen	Temperature	Test Water	Immersion Time
Cured Products	25°C	Distilled Water	2 Days

Item	Unit	Spec.	Result	Test Method
Weight Increase Rate	%	85~200	128	In House Test

Note: Expansion rate can vary in salt or contaminated water.

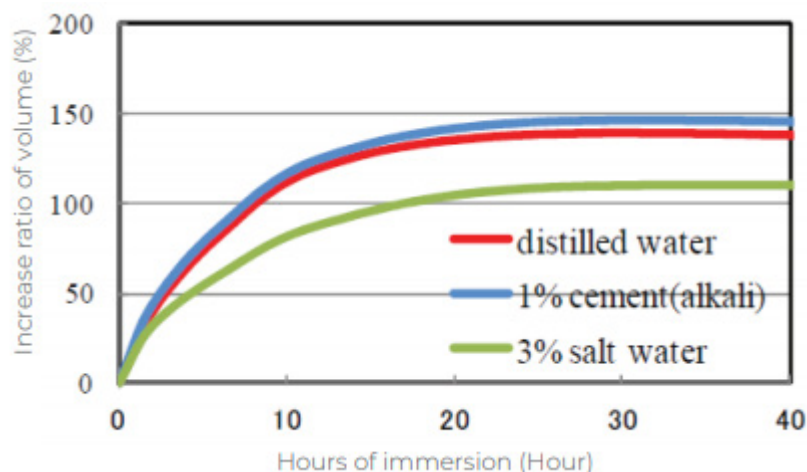


Figure 1: Swelling properties in various solutions of Leakmaster LV-Z.

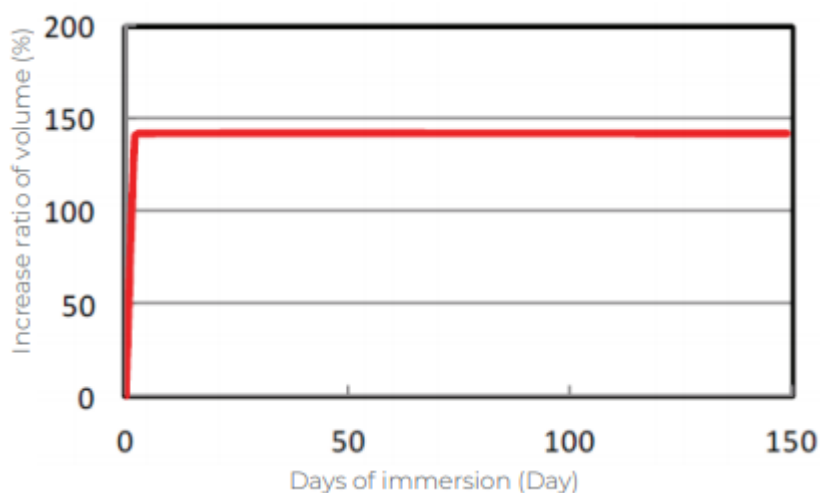


Figure 2: Long term swelling characteristics of Leakmaster LV-Z in distilled water.

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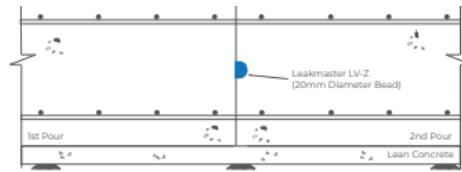
TECHNICAL DATA SHEET

TECHNICAL DATA SHEET

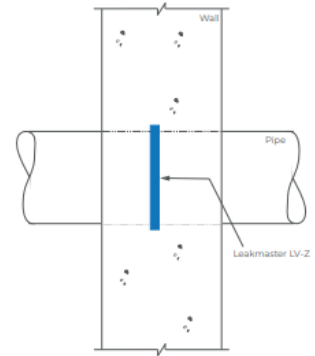
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TYPICAL APPLICATIONS



Application of Leakmaster LV-Z in construction joint wall or slab

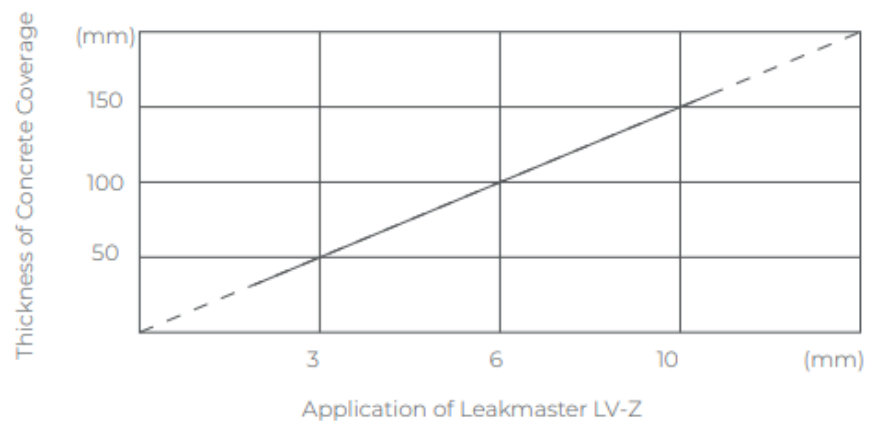


Application of Leakmaster LV-Z around pipe penetration through wall.

APPLICATION INSTRUCTIONS

1. Break the moisture-proof aluminium foil on the top of the cartridge, and remove them metal cover seamer from the bottom.
2. Cut the nozzle diagonally at the required appropriate position to achieve desired amount.
3. Set the cartridge in suitable caulking gun.
4. Apply Leakmaster LV-Z continuously without a break to the location to be sealed.
5. Application diameter of Leakmaster LV-Z to be at a size suitable to prevent water egress.

FIGURE 1:



IMPORTANT PRECAUTIONS

- Minimum cover to Leakmaster LV-Z installed application from any outer edge. Refer to Figure 1 above.
- Do not apply as an external or surface position like a traditional sealant. Product must be fully encased by concrete.
- Do not leave exposed to water for longer than 12 hours prior to second concrete pour being placed.
- Allow to cure prior to pouring next concrete
- Use open cartridges within 24 hours after opening

Allcon products are manufactured to the highest quality, and if used in the correct applications and in accordance with all directions, will produce quality and consistent results. However Allcon Group Pty Ltd accepts no responsibility for inappropriate usage or faulty workmanship by the end user.

Product: Leakmaster LV-Z
Issue Date: 21 June 2021