

**PRODUCT DESCRIPTION**

Leakmaster LV-Z

**BENEFITS**

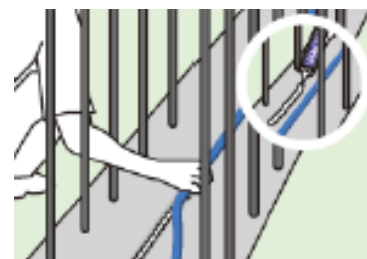
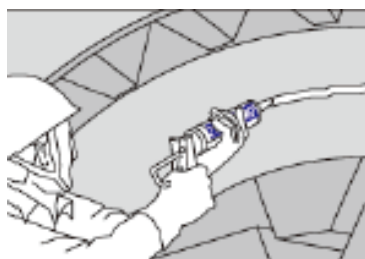
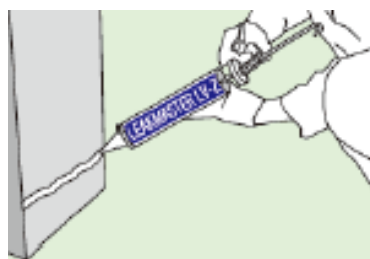
1. **EASY APPLICATION:** As a moisture-cure one component type water-swelling sealant, general-use caulking guns can be used as with conventional sealants.
2. **PHYSICAL PROPERTIES:** After hardening, it has better physical properties than those of conventional putty type sealants.
3. **WATER SWELLING:** Swelling approx. 2 times in volume as a result of its distilled water absorption and swelling mechanisms, Leakmaster LV-Z provides excellent water sealing property without losing its rubber-like elasticity.



**FEATURES**

ITEM UNIT	REFERENCE	TEST METHOD
EXTRUDABILITY sec	≤20	In house test (at 25°C)
SLUMP mm	≤10	In house test (for 1 hour at 25°C)
SWELLING PROPERTY Vol. %	85-200	In house test (after 2 days immersions 25°C)

**AREAS OF APPLICATION**



- Water sealing at vertical joints of cast in-situ concrete
- Water sealing around H-section steel joists and bars
- As an adhesive to the 1st site formed concrete before CJ installation, when the surface is rough.
- Precast concrete
- Waterproofing work
- Others

## PROPERTIES

### SWELLING PROPERTIES

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

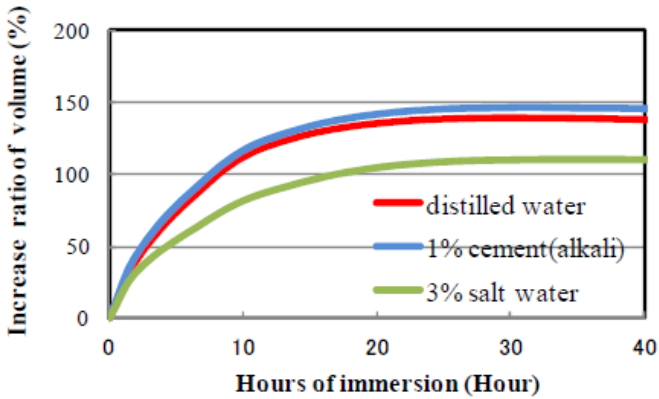


Figure 2: A difference of water swelling property

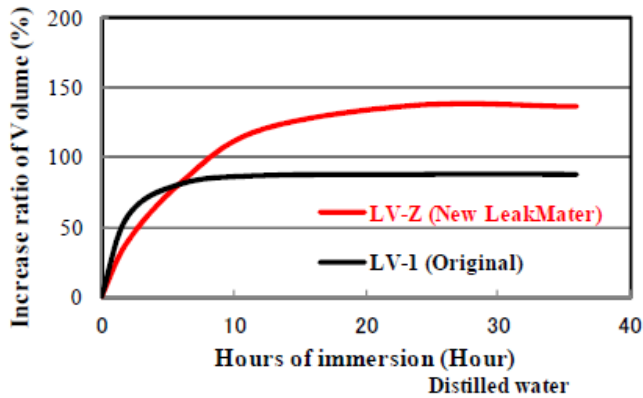
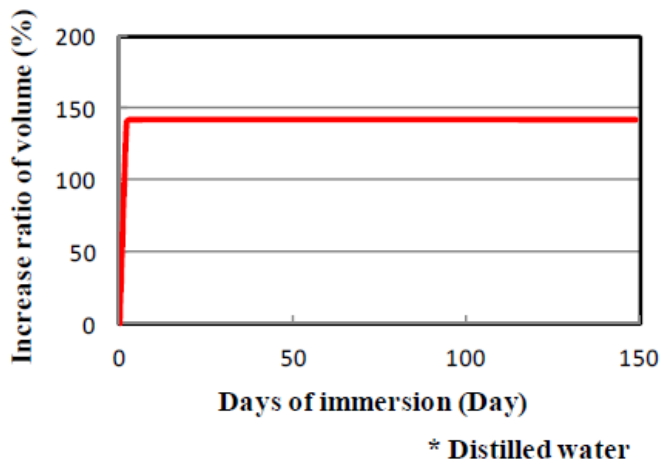


Figure 3: Long term swelling characteristics Leakmaster LV-Z



### GENERAL PROPERTIES

ITEM	UNIT	RESULT	TEST METHOD
Appearance	-	Putty-like	-
Colour	-	Grey	-
Extrudability	Second	8.5	In house test
Slump	mm/1hour	0.5	
Specific Gravity	-	1.26	
Tack Free	Hour	<8	

Note: Above values are typical measured values and not specific values

### PACKING CONDITIONS

Item No.	LV-Z
Contents	320ml/cartridge
Unit	24 cartridges/carton

Note: Above values are not specific values  
 Colour: Grey  
 Appearance: Putty-like



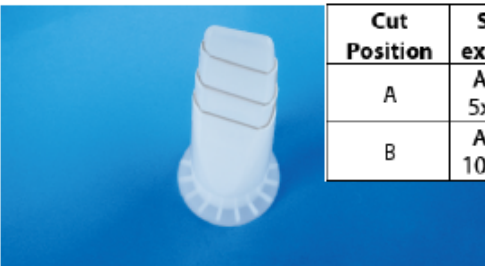
## HOW TO USE



1. Break the moisture-proofing aluminum foil on the top of the cartridge



2. Cut the nozzle at the appropriate position



3. Average extrudable length and its nozzle cut position

Cut Position	Size of extrusion	Length (m)
A	Approx. 5x20mm	3~5m
B	Approx. 10x20mm	1~3m



4. Set the cartridge to a caulking gun



5. Apply LEAKMASTER LV-Z continuously without a break to the place to be sealed

## IMPORTANT PRECAUTIONS

1. Please refer SDS before and during the use of the LEAKMASTER LV-Z.
2. LEAKMASTER LV-Z contains solvents and may be ignited by sparks, heat or open flame before curing.
3. Ventilate adequately. Inadequate ventilation may cause eye/respiratory irritation, headache, dizziness and nausea.
4. Do not swallow, and avoid eye/skin contact.
5. Keep out of reach of children,
6. Store in a cool, dark and dry place below 90°C (32°C).
7. Do not apply to places in contact with potable water.
8. Do not apply to an external and/or a surface position.
9. Use a a temperature between 41°F (5°C) and 104°F (40°C).
10. When the surface is wet, LEAKMASTER LV-Z is not suitable.
11. After application, take adequate measures to prevent from exposure to rain, ground water, etc. before casting 2nd concrete or installing precast concrete.
12. Keep a minimum of 100mm concrete coverage on both sides of LEAKMASTER LV-Z position, when it is used for site formed concrete joints.
13. Use within its shelf life of 12 months after the precaution month and year shown on the cartridge.

Note: How to see the production month and year. Ex. A B C D E (D: month(X: October, Y: November, Z: December), E: the last digit of the year)

## **WARRANTY**

All information contained herein is based on C.I.Kasei Co., Ltd. ("CIK")'s present state of knowledge of LEAKMASTER LV-Z when properly stored, handled and applied under normal conditions in accordance with CI K's instructions. The user of LEAKMASTER LV-Z must test LEAKMASTER LV-Z for suitability for the intended application and purpose before processing with the full application of LEAKMASTER LV-Z. CIK reserves the right to change the properties of LEAKMASTER LV-Z without notice.

CIK warrants LEAKMASTER LV-Z to meet the technical properties on the current SDS if used as directed herein and in the current SDS within shelf life. User determines suitability of LEAKMASTER LV-Z for intended use and assumes all risks.

NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. CIK SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. CIK SHALL NOT BE RESPONSIBLE FOR THE USE OF LEAKMASTER LV-Z IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.