

# LEAKMASTER WATERSTOP SEALANT



Leakmaster LV-1 is a one component polyurethane water-swelling sealant with excellent and unique physical properties.

- For bonding waterstop profiles to rough concrete surfaces
- Water sealing joints of cast in-situ concrete
- Water sealing around "H" section steel joists
- Sealing rough surfaces



Colour	Product Code	Roll Size
Grey	LEAKMASTER	320ML Cartridge

## SOLCO - Water Stops

Last Issue Date: 08.02.13

### Product Description

Leakmaster LV-1 is a one component polyurethane water-swelling sealant with excellent and unique physical properties.

It can be applied to places such as joints, etc., in civil engineering construction and water services for seals where conventional solid sealants cannot be applied easily.

After hardening, it has excellent physical properties together with rubberlike elasticity and water sealing properties.

### Typical Uses

- For bonding waterstop profiles to rough concrete surfaces
- Water sealing joints of cast in-situ concrete
- Water sealing around "H" section steel joists
- Sealing rough surfaces
- Shotcrete
- Box culverts
- Can support 20m heads of water
- Excellent for pipe penetration
- To provide sealing around traditional PVC waterstops

### Features & Benefits

- Easy application to smooth and uneven surfaces as a moisture-cure water-swelling sealant
- Physical properties: after hardening, it has better physical properties than those of conventional putty type sealants
- Water swelling up to approx. 2 time in volume as a result of its water absorption and swelling mechanisms.
- Provides excellent water sealing properties without losing its rubberlike elasticity
- Good adherence: before swelling It adheres to various materials such as concrete, metal, glass, etc

### Application

Surface should be clean and dry, remove all debris, loose material, grease, oil and any organic materials.

Break the moisture proofing aluminium foil on top of the cartridge and remove metal back seamer from the bottom.

Cut the nozzle to appropriate position diagonally

Place Leakmaster cartridge in suitable cartridge gun.

application (cont..)

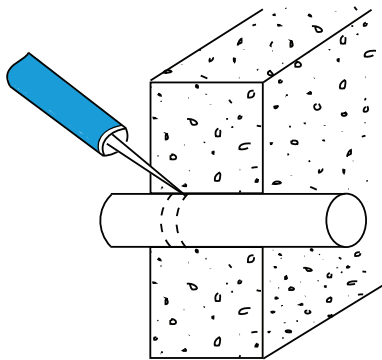
Apply Leakmaster continuously without a break to the place to be sealed.

A minimum of 12 hours should be allowed before applying hand placed concrete and should be left 24 hours for large pours where there is no guarantee that concrete will not be poured directly on to the seal.

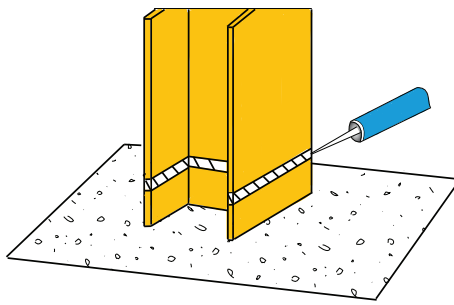
Leakmaster should be protected from any ponding of water whilst curing to prevent premature expansion

### Technical Properties

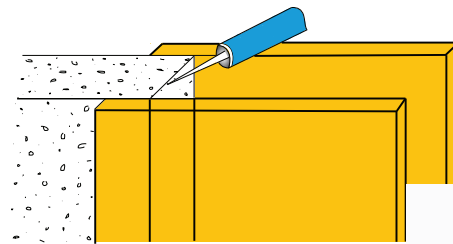
Base	Polyurethane
Curing System	Moisture Cure
Tack free time	8hours (23°C/60% R.H)
Specific Gravity	1.30
Elongation at Break	1250% (JIS K 6251)
Tensile Strength	2.94 MPa (JIS K 6251)
Swell	>200%
Joint width	2mm - 20mm
Substrate	Concrete, Steel, Glass, uPVC
State of Surface	Free of dust, grease, surface may be damp
Preparation	No primer required
Application Method	Sealant Applicator
Application Temp	+10°C to +30°C
Colour	Grey
Packaging	320ml Cartridge



**Typical application of Leakmaster to pipe penetration (cast-in situ method)**



**Typical application of Leakmaster to Steel column prior to concrete pour**

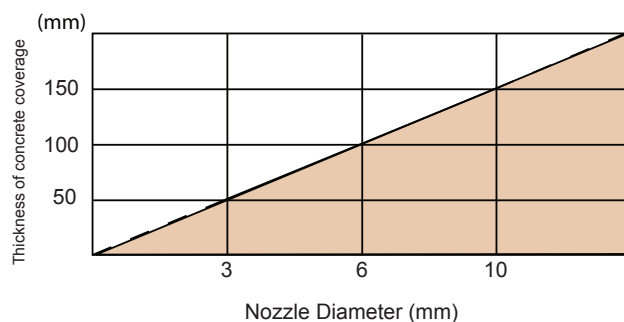


**Typical application of Leakmaster to construction joint (wall or slab)**

### Important Precautions

1. Minimum concrete cover to Leakmaster, see Figure 1.
2. Do not apply in an external or surface position.
3. Do not leave in water for longer than 6 hours.
4. Allow to cure (harden) prior to pouring next concrete pour.
5. Use open cartridges within 24 hours after breaking foil.
6. Store in cool dark and dry place.
7. Shelf life of approximately 12 months from production date.

Figure 1.



A 320ml cartridge will provide enough material for approx 3 meters when gunned to form a 10mm dia bead.

### Limitations

Leakmaster should not be used for expansion joints or for joints subject to significant repetitive movements. Do not use in open face joints. i.e. Leakmaster should not be used as a sealant in general building applications. Avoid eye and skin contact. Use only in well ventilated areas.

### Storage Conditions

Store in a cool, dark, and dry place below 32°C. Use within its shelf life of 12 months after the production date shown on cartridge. Use product up within 24 hours after breaking moisture-proofing foil.

### Health & Safety

Please refer to health and safety data sheet on Leakmaster Waterstop.

### Testing

Leakmaster Waterstop is tested for effective sealing against water pressure, detailed report and certificates are available on request.