

Leakmaster

PRODUCT DESCRIPTION

Danterr's Leakmaster LV-Z is a single-component hydrophilic sealant designed to provide reliable waterproof sealing for construction joints and irregular concrete interfaces. This waterproof polyurethane sealant expands on contact with water, forming a flexible rubber-like seal that compensates for concrete shrinkage and minor joint movement while maintaining watertight performance.

Developed using proven hydrophilic technology, Leakmaster adheres to concrete, steel, rock, and other common construction substrates, making it ideal where conventional hydrophilic waterstop profiles cannot be easily installed. Suitable for a wide range of waterproofing solutions, it provides an effective seal for rough surfaces, penetrations, precast joints, and other complex waterproofing applications.



FEATURES & BENEFITS

- Swells up to twice its original volume on contact with water.
- Bonds to concrete, steel, rock, glass, and other substrates.
- Forms a durable rubber-like elastomer after curing.
- Supports water heads up to 20 metres.

APPLICATIONS

- Construction joints in cast-in-situ concrete.
- Rough or uneven concrete and rock surfaces.
- Pipe penetrations and service entries.
- Civil infrastructure
- Tunnels and water-retaining structures.

PACKAGING & AVAILABILITY

Product Code	Description	Pack Qty
101828	Leak Master 320mL	24

INSTALLATION INSTRUCTIONS

- 1. Surface Preparation** - Ensure the substrate is clean, sound, and free from standing water. Leakmaster LV-Z must be fully encased within concrete and should not be applied as an exposed sealant.
- 2. Prepare Cartridge** - Remove the moisture-proof foil and metal seal, then cut the nozzle to achieve the required bead size.
- 3. Load Applicator** - Insert the cartridge into a standard caulking gun.
- 4. Apply Sealant** - Apply a continuous bead without gaps or interruptions to the required joint or penetration.
- 5. Provide Concrete Cover** - Maintain adequate concrete cover around the sealant. A minimum cover of 50mm is recommended, with 100mm required for site-formed concrete joints.

TECHNICAL SPECIFICATIONS

PHYSICAL PROPERTIES

Property	Specification
Product Type	Single-component polyurethane water-swelling sealant
Appearance	Putty-like
Colour	Grey
Specific Gravity	1.3
Extrudability	Approx. 20 sec (23°C)
Slump	Max. 3mm (23°C)
Tack-Free Time	Approx. 8 hours (23°C, 60% RH)
VOC Content	80g/L
Hardness	35 (Spring-A-Type)
Tensile Strength	2.94 MPa
Elongation	1250%
Tear Strength	9.8 N/mm
Water Expansion	Up to 2× original volume (approximately 128%)
Cartridge Size	320mL

SAFETY & HANDLING

- Handle in well-ventilated areas during application.
- Avoid contact with eyes and skin.
- Keep away from heat, sparks, and open flames before curing.
- Store in a cool, dry place below 32°C.
- Protect the sealant from water until fully cured.