

EQUUS SWELLSEAL

One component polyurethane, gunnable swelling waterstop

December 2025

PRODUCT:

Equus Swellseal is a specially formulated, high performance, swellable, single component, polyurethane based waterstop. It works by creating a compression seal within construction joints, blocking water ingress

AREAS OF USE:

- In watertight construction joints between new and existing concrete
- In sealing joints between precast elements
- In sealing pipe penetrations through concrete wall and floor slabs
- In sealing around steel beams
- In sealing interlock areas of sheet piles
- As a mastic adhesive to locate and adhere formed swellable waterstops to rough and/or uneven concrete surfaces

ADVANTAGES:

- Easy application
- Adheres to many surfaces such as concrete, steel, PVC and fibreglass
- Can be applied to damp surfaces
- Can be applied to irregular surfaces
- Is permanently water resistant with no leaching
- Withstands wet/dry cycling
- Has good chemical resistance
- Is resistant to petroleum products, mineral and vegetable oils and grease
- Swells up to 350% of its original volume in contact with water

LIMITATIONS:

- Not suitable for expansion joints
- Needs protection from heavy rain to avoid expansion before placing new concrete to ensure 100% swelling capacity is maintained
- Avoid placement of concrete from a height greater than 500mm. If not possible, allow Equus Swellseal to cure for a minimum of 48 hours before concrete placement

PACKAGING:

600 ml sausages.

COLOUR:

Grey

TECHNICAL DATA:

Equus Swellseal is a hydrophilic, one component polyurethane paste.

Characteristics (Typical values)	Equus Swellseal
Specific gravity	1.4
Solids	97%
Performance (Typical values)	
Consistency	Non-sag
Surface dry time	2.5 hours
Cure rate (at 25°C)	10 mm/7 days
Swelling capacity	Approx. 350% of original dry volume (in contact with water)

Note: Typical properties cannot be used as specifications.

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SURFACE PREPARATION:

Substrates must be clean, sound, free of loose particles, dust, laitance, oils and other contaminants. Surface may be damp but must not have free standing water.

APPLICATION:

Recommended application temperature: 10-32°C

As a primary waterstop	Apply Equus Swellseal in an continuous bead of minimum 10 mm x 10 mm dimensions placed in the middle of the element, allowing for a minimum 50 mm concrete (reinforced) cover either side
As adhesive for formed waterstops	Apply sufficient Equus Swellseal to the substrate in a continuous bead to accommodate any roughness and provide an adhesive bed for the formed waterstop to sit in. Nail/screw in place if necessary. Use Equus Swellseal where an overlap or joining occurs with any formed waterstop.

Note: For other applications such as in saw cut control joints or installation between pre-cast concrete elements, consult your local Equus Representative.

COVERAGE:

At recommended 10 mm x 10 mm bead: 6 lineal metres/600ml sausage. The yield will vary depending upon substrate irregularities.

CLEAN UP:

Uncured material can be removed with Xylol or similar solvent. Cured material can only be removed mechanically.

HEALTH AND SAFETY:

Read Safety Data Sheet before use.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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MANUFACTURERS CONTACT DETAILS:

Manufacture location	New Zealand
Legal and trading name of manufacturer	Equus Industries Ltd.
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