

Equus Swellseal

One component polyurethane, gunnable swelling waterstop

Product Description

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:

600ml sausages

Standard Colours:

Grey

Technical Information:

Composition:

Equus Swellseal is a hydrophilic, one component polyurethane paste

Characteristics (Typical Values):

Specific Gravity: 1.4
Solids: 97%

Performance (Typical Properties):

Consistency: Non-sag
Surface Dry Time: 2.5 hours
Cure Rate (at 25°C): 10mm / 7 days
Swelling Capacity: Approx. 350% of original dry volume (in contact with water)

Note: Typical properties can not be used as specifications

Usage Guidelines:

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 10mm x 10mm dimensions placed in the middle of the element, allowing for a minimum 75mm 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.

584

2 page

TECHNICAL
DATA
SHEET

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 10mm x 10mm 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 & Safety Precautions

Read Safety Data Sheet before use.

Equus Industries Ltd
P O Box 601
Blenheim 7240
Phone: 03 578 0214
Email: admin@equus.nz
Web: www.equus.nz
July 2015