

# DE NEEF<sup>®</sup> Swellseal<sup>®</sup> 8

Hydrophilic Rubber Strip

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## Product Description

SWELLSEAL<sup>®</sup>8 is a hydrophilic vulcanized expansive rubber strip for the sealing of joints in underground pre-cast elements, vertical construction joints and concrete – steel joints.

SWELLSEAL<sup>®</sup>8 is available in at (Type F) and round (Type R) strips. SWELLSEAL<sup>®</sup>8 is made from a combination of chloroprene rubber and a hydrophilic resin, resulting in good expansion and excellent chemical resistance.

## Product Applications

- Sealing of joints between concrete pre-cast elements
- Sealing of vertical construction joints
- Sealing of pipe penetrations
- Sealing of concrete-steel joints

## Product Advantages

- High swelling capacity for high pressure applications
- Good impact resistance
- Reversible swelling properties
- Non-sag when correctly placed around pipes and in vertical joints
- Easily installed by nailing or using SWELLSEAL<sup>®</sup> WA
- Can absorb small movements in joint due to exibility.
- Chemically resistant\*

\* Chemical resistance chart available on request.

## Properties

### Typical Properties

SWELLSEAL® 8	TYPE F	TYPE R	TEST
Elongation at break	600%	620%	ASTM D2240
Shore A Hardness	53	53	ASTM D2240
Specific Density	1.27	1.27	ASTM D471
Expansion in water	580% (1d)	340% (1d)	ASTM D471
	785% (4d)	720% (4d)	
Water Pressure Resistance	>65 psi	DNCC	DNCC
Tensile Strength	1,009 psi<	1,109 psi	ASTM D412
Apperance	Green rectangular or round strip of hydrophilic vulcanized expansive rubber with smooth sides.		
Dimensions	Type F 1/8" x 3/4"	Type R 1/4" diam. (6 mm)	
	(3 mm x 20 mm)		

Note: The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown above may result.

### Packaging & Handling

SWELLSEAL® 8 TYPE F	SWELLSEAL® 8 TYPE R
1 roll = 49.2 ft (15 m)	1 roll = 551 ft (168 m)
1 case = 10 rolls ( 28 lbs)	1 case = 1 roll (30 lbs)

Unlimited shelf life when stored in a dry place in its original packaging.

### Installation Guidelines

Prior to the installation of SWELLSEAL®8, the surfaces should be levelled, dry, clean and free of oils, dust and laitance.

SWELLSEAL®8 can only function properly in a confined space in order to develop sufficient expansion pressure and assure waterproofing.

The expansion of SWELLSEAL®8 will create pressure, therefore installation in the middle of the joint is preferred. Concrete cover of at least 6" is required on all sides. SWELLSEAL®8 can be applied on both smooth and rough concrete.

### On smooth concrete:

Roll the SWELLSEAL®8 between the inner and outer rebar and nail down with a gun (4 to 5 nails per yard) or x horizontally with SWELLSEAL®WA.

### On rough concrete:

Gun SWELLSEAL®WA in a 3/8" bead between inner and outer rebar. Press SWELLSEAL®8 firmly into the SWELLSEAL®WA. Apply extra nailing (4 to 5 nails per yard) in vertical applications.

SWELLSEAL®8 Type F and R can be installed around pipes, either by using with SWELLSEAL®WA by connecting the ends with a steel wire.

Installation during rain or in prolonged contact with water can result in a premature swelling of the strip, which should be avoided. If the SWELLSEAL®8 has been exposed to water prior to encapsulating in the concrete, allow it to dry and shrink back to its original configuration. Roll ends are simply butted together to assure a waterproof seal. Do not install in overlap. The strip needs to be in contact with the joint over its full length.

## Limitations

Requires 6" concrete cover on all sides. Avoid installing product during heavy rains.

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