

# DE NEEF® SWELLSEAL® 2010

Hydrophilic Rubber Strip

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## Product Description

DE NEEF® SWELLSEAL® 2010 is an extruded, vulcanized hydrophilic expansive rubber strip for the sealing of concrete construction joints, pipe penetrations, joints in underground pre-cast elements.

## Product Application

- Sealing cold and construction joints
- Sealing pipe penetrations
- Sealing joints between precast elements
- Sealing vertical construction joints

## Product Advantages

- Proven track record in concrete structures subject to high water pressure
- Reversible swelling properties
- Non-sag when correctly placed around pipes and in vertical joints
- Easily installed by nailing or using SWELLSEAL® WA
- Chemically resistant\* \*Chemical resistance chart available upon request

## Packaging & Handling

1 roll DE NEEF® SWELLSEAL® 2010 = 32 ft

1 case DE NEEF® SWELLSEAL® 2010 = 8 rolls (50 lbs)

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

## Installation Guidelines

DE NEEF® SWELLSEAL® 2010 can only function properly in a confined space in order to develop sufficient expansion pressure and assure waterproofing.

The expansion of SWELLSEAL® 2010 will create pressure, which needs to be counteracted by the proper concrete coverage. The required concrete coverage varies from 3.25 inches – 4.0 inches on all sides depending on concrete strength.

DE NEEF® SWELLSEAL® 2010 can be applied on both smooth and rough concrete.

Concrete Strength (psi)	2550	2982	3408	3834	4260
Minimum Concrete Coverage	4"	3.7"	3.5"	3.48"	3.28"

**On smooth concrete:**

Roll the DE NEEF® SWELLSEAL® 2010 between the inner and outer rebar and nail down with a gun (4 to 5 nails per yard) or fix horizontally with DE NEEF® SWELLSEAL® WA.

**On rough concrete:**

Gun DE NEEF® SWELLSEAL® WA in a 3/8" bead between inner and outer rebar. Press DE NEEF® SWELLSEAL® 2010 firmly into the WA. As DE NEEF® SWELLSEAL® 2010 is heavy in long strips, especially in vertical applications, apply extra concrete nailing (4 to 5 nails per yard). Install DE NEEF® SWELLSEAL® 2010 with the 3/4" surface upwards.

Installation during rain or in prolonged contact with water can result in a premature swelling of the strip, which should be avoided. If DE NEEF® SWELLSEAL® 2010 is exposed to water prior to encapsulating in the concrete, allow to dry and shrink back to its original configuration. Important: 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.

## Health and Safety

Always use protective clothing, gloves and goggles consistent with OSHA regulations during use. Avoid eye and skin contact. Do not ingest. Refer to Safety Data Sheet (SDS) for detailed safety precautions. SDS's can be obtained from GCP Applied Technologies or from our web site at [gcpat.com](http://gcpat.com).

## Limitations

For concrete cover of less than 4 inches, refer to the Installation Procedures for concrete strength requirements. Avoid installing product during heavy rains.

## Properties

### Typical Properties

Elongation at break	Approx. 600%	ASTM D412
Shore A Hardness	52	ASTM D2240
Specific density	1.23-1.27	ASTM D471
Swelling capacity in contact with water	100% (10 days)	ASTM D471
Water Pressure Resistance	284 psi	DNCC
Tensile Strength	1493 psi	ASTM D2240
Appearance	Black rectangular strip of hydrophilic vulcanized expansive rubber	Black rectangular strip of hydrophilic vulcanized expansive rubber
Dimensions	$\frac{3}{8}$ " x $\frac{3}{4}$ " (10mm x 20mm)	$\frac{3}{8}$ " x $\frac{3}{4}$ " (10mm x 20mm)

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

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