

TECHNICAL INFORMATION

WATERSTOPS

PRODUCT NAME

SWELLSEAL[®] 2010

Hydrophilic Rubber Strip

MANUFACTURER

De Neef Construction Chemicals, Inc.
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Houston, TX 77041
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PRODUCT DESCRIPTION

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

ADVANTAGES

- **SWELLSEAL[®] 2010** has a proven track record in water treatment plants, water purification plants, underground parking lots, water reservoirs, swimming pools, water tanks, tunnel- & metro-works and other concrete structures subject to high water pressure
- Reversible vulcanized rubber swelling strip in contact with water
- Will not sag when correctly placed around tubes and in vertical joints
- Can be easily installed by nailing or gluing with **SWELLSEAL[®] WA** or **Denepox** adhesive
- Is chemically inert and resistant to petroleum, mineral and vegetable oils and greases
- **SWELLSEAL[®] 2010** is treated with a 12 hour delay coating to prevent premature swelling of the strip with concrete bleed water

PACKAGING

1 roll **SWELLSEAL[®] 2010** = 10m. (~33 Lf)
1 carton **SWELLSEAL[®] 2010** = 8 rolls
1 pallet **SWELLSEAL[®] 2010** = 27 cartons
Weight **SWELLSEAL[®] 2010** = 53 lbs./carton gross

TYPICAL PROPERTIES

Elongation at break	Approx. 600%	ASTM D 412
Shore A Hardness	52	ASTM D 2240
Specific density	1.23 – 1.27	ASTM D 471 75
Swelling capacity in contact with water	200% (10 days)	ASTM D 471 75
Water pressure resistance	284 psi.	
Tensile Strength	1493 psi.	ASTM D 2240

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

Appearance

Rectangular strip made out of a hydrophilic vulcanized expansive rubber with smooth sides.
Color: BLACK
Dimensions: 3/8" x 3/4"

LIMITATIONS

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

SURFACE PREPARATION

Refer to De Neef Surface Preparation Guidelines for more details.

INSTALLATION PROCEDURES

Precautions: **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. For example, if the concrete psi is 4260 or greater the required concrete coverage is 3.2

inches. If the concrete psi is 2550 or less, the required coverage is 4 inches.

Concrete Strength	100 kgf/cm ² 2556 (psi)	210 kgf/cm ² 2982 (psi)	240 kgf/cm ² 3408 (psi)	270 kgf/cm ² 3834 (psi)	300 kgf/cm ² 4260 (psi)
Minimum Concrete Coverage	10 cm (4 in)	9.3 cm (3.7 in)	8.9 cm (3.5 in)	8.6 cm (3.48 in)	8.1 cm (3.28 in)

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

On smooth concrete:

Roll off the **SWELLSEAL® 2010** between the inner and outer tie bars and nail down with a gun (4 to 5 nails per 3 foot section) or glue horizontally with **SWELLSEAL® WA**.

On rough concrete:

Level out with **SWELLSEAL® WA**, a strip of approx. 1 inch wide between inner and outer tie bars. Press **SWELLSEAL® 2010** firmly into the Gungrade. **As SWELLSEAL® 2010 is heavy in long strips, especially in vertical applications, apply extra concrete nailing (4 to 5 nails per 3 foot section). Install SWELLSEAL® 2010 with the 3/4 inch surface upwards.**

Installation during heavy rain or in prolonged contact with water can result in a premature swelling of the strip, which should be avoided. If **SWELLSEAL® 2010** has 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.

STORAGE & HANDLING

Unlimited in a dry place in its original packaging.

PRECAUTIONS

Always use protective clothing, gloves and goggles consistent with OSHA regulations during use. Avoid eye and skin contact. Do not ingest. Refer to Material Safety Data Sheet for detailed safety precautions.

SAFETY INFORMATION

In the event of an EMERGENCY call:
CHEM-TREC 800-424-9300.

WARRANTY INFORMATION

De Neef Construction Chemicals, Inc. products are warranted under the policy set forth under the WARRANTY section of the De Neef Construction Chemicals Inc., product catalog. Warranty information can also be obtained via the De Neef Construction Chemicals Inc. website at www.deneef.com, by calling 713-896-0123 or toll free at 1-800-732-0166.

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