



## PRODUCT DATA

### 920.11

#### WATER-SWELLABLE SEALANT

#### DESCRIPTION:

920.11 is a water-swellaable, waterproofing sealant designed for use on many types of poured-in-place and below grade pre-cast concrete applications. On exposure to water it will begin to swell to seal any exposed gaps in concrete joints. 920.11 has excellent adhesion to clean, dry concrete. It is specifically intended for non-moving joints. It features all weather application and is engineered for use under most temperature conditions. 920.11 stays flexible in cold weather without shrinking or hardening and does not require heating for application. In hot weather, 920.11 remains pliable and does not become spongy.

deVan Sealants 920.11 is perfect for use on:

- Cold joint in foundation slabs or below grade walls.
- Burial vaults.
- Pre-cast concrete wall panel systems.
- Septic tanks.
- Sanitary and storm sewer manholes.
- Utility vaults, portable water tanks and box culverts.
- Pipes (round, oval, flat-base elliptical and arch types).
- Wet wells.

Please note that 920.11 is not an expansion joint material and should not be used as one.

920.11 is non-toxic and requires no special handling equipment. Clean to the touch, it does not contain any material that can discolor or irritate the skin.

#### INSTALLATION PROCEDURES:

- Surface Preparation – Joint surfaces must be clean and dry. For best results, apply adhesive primer to the joint surface (especially vertical joints) before applying 920.11. The primer creates a tacky surface to ensure a firm bond to the concrete.
- Positioning – 920.11 adheres to the butt end of the previous concrete pour and should be positioned a minimum of 2-inches from the exterior joint surface. Concrete cut nails and/or adhesive must be used to secure 920.11 in place to prevent displacement during the pour.
- 920.11 may also be installed in a cast-in-place recess at the exterior side of the joint. Precautions must be taken to protect the product from hydration prior to backfilling in this situation. Backfill must be compacted to 85% modified proctor minimum adjacent to the joint. The recess at the exterior of the joint should match the dimension of the 920.11.
- Ends of individual 920.11 coils must be butted together. Do not overlap.

## PROPERTIES:

Color (ASTM D1729):	Black
Odor (ASTM D1833):	None
Swell Capability:	50 – 100% by weight (typical) after 3-days immersion in water.
Specific Gravity (ASTM D71):	1.57 ± 0.05 g/cm <sup>3</sup>
Weight per Gallon (ASTM D71):	13.1 ± 0.5 pounds/gallon
Percent Solids:	99% after 4-hours @ 212°F
Cone Penetration (ASTM D217):	51 – 56 dmm
Flash Point (ASTM D93):	365°F
Flow Resistance:	No flow from a ¾-inch overhead joint exposed to 135°F for 7-days.
Hydrostatic Pressure Test*:	Maintains a minimum head pressure of 231 feet of water (100 psi).
Application Temperature:	5°F - 125°F
Service Temperature:	-40° - 212°F
Shelf Life:	Indefinite when stored in dry warehouse conditions.

\*Note: Hydrostatic pressure test indicates pressure necessary to penetrate directly through the sealant. It does not reflect application pressure to seal a joint.

This data is based on tests believed to be reliable and is given for information only. For technical assistance, customer service and general information, please contact us at:

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