

# Butyl Rubber Sealant for All Precast Concrete Structures

## PRODUCT APPLICATIONS

For concrete joints in: Concrete Vaults, Septic Tanks, Box Culverts, Utility Vaults, Burial Vaults, and Vertical Panel Structures. **Not intended for use in expansion joints or joints that move.**

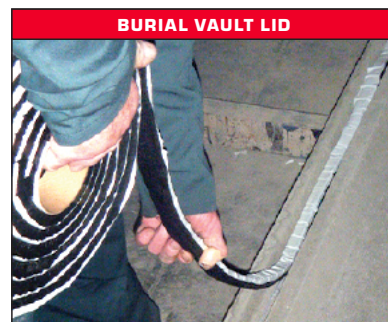
## SEALING PROPERTIES

- Provides permanently pliable watertight joints.
- Low to high temperature workability: 30°F to 120°F (-1°C to 49°C)
- Rugged service temperature: -30°F to +200°F (-34°C to +93°C)
- Excellent chemical and mechanical adhesion to clean dry surfaces.
- Sealed joints will not shrink, harden or oxidize upon aging.
- Controlled flow resistance for application ease.

No priming normally necessary. When confronted with difficult installation conditions, such as wet concrete or temperatures below 40°F (4°C), priming the concrete will improve the bonding action. Consult Concrete Sealants for the proper primer to meet your application.

## PHYSICAL PROPERTIES & CHEMICAL COMPOSITION

| Description                                   | Spec             | CS-101    |
|---|------------------|-----------|
| Color   |                  | Black     |
| Specific Gravity, 77°F (25°C)                 | <b>ASTM D71</b>  | 1.35-1.50 |
| Ductility, 77°F (25°C)                        | <b>ASTM D113</b> | 6 cm      |
| Penetration, cone 77°F (25°C), 150 gm, 5 sec. | <b>ASTM D217</b> | 50-60 dmm |
| Flash Point, C.O.C., °F                       | <b>D92 450°F</b> | 450°      |
| Fire Point, C.O.C., °F                        | <b>D92 450°F</b> | 450°      |



## IMMERSION TESTING

**30-Day Immersion Testing:** No visible deterioration when tested in 5% Caustic Potash, 5% Hydrochloric Acid, 5% Sulfuric Acid, and 5% saturated Hydrogen Sulfide.

**One Year Immersion Testing:** No visible deterioration when tested in 5% Formaldehyde, 5% Formic Acid, 5% Sulfuric Acid, 5% Hydrochloric Acid, 5% Sodium Hydroxide, 5% Hydrogen Sulfide, and 5% Potassium Hydroxide.

## INSTALLATION GUIDELINES

The following procedures should be followed for optimum sealant performance.

- Clean the upper and lower joint surface with a stiff bristle brush.
- Remove any dirt, debris, flashing, or concrete high points, which could keep the joint from coming together.
- If necessary, a joint primer can be applied to improve sealant adhesion. Allow the primer to dry before placing sealant.
- **DO NOT PLACE ANY JOINTS WITHIN 12" OF A CORNER.**
- Join the sealant into one continuous strand by kneading the ends together where they meet. **Do not stretch the sealant.**
- A minimum compression of 50% is required. Greater than 50% compression is optimal. It may take 15-20 minutes for the sealant to fully compress depending on the ambient temperature and the weight being applied.

Reference Installation Instructions for “Butyl Sealing Tapes” for more detailed instructions.

## LIMITED WARRANTY

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