

ConSeal™ CS-102

Butyl Rubber Sealant



Butyl Rubber Sealant for All Precast Concrete Structures - Meets ASTM C-990

Applications

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

Sealing Properties

- Provides permanently flexible watertight joints.
- Low to high temperature workability: 30°F to 120°F (-1°C to +48°C)
- Rugged service temperature: -30°F to +200°F (-34°C to +93°C)
- Excellent chemical and mechanical adhesion to clean dry surfaces.
- Greater cohesive and adhesive strengths.
- 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.

Hydrostatic Strength

ConSeal CS-102 meets the hydrostatic performance requirement as set forth in ASTM C-990 section 10.1 (Performance requirement: 10psi for 10 minutes in straight alignment – in plant, quality control test for joint materials.)

Specifications

ConSeal CS-102 meets or exceeds all of the requirements of Federal Specification SS-S-210 (210-A), AASHTO M-198B, and ASTM C-990-91.

Physical Properties

Description

| | Spec | Required | CS-102 |
|---|-----------|------------|----------|
| Color | | | Black |
| Specific Gravity, 77°F | ASTM D71 | 1.15-1.50 | 1.25 |
| Ductility, 77°F | ASTM D113 | 5.0 min. | 10 |
| Penetration, cone 77°F (25°C), 150 gm, 5 sec. | ASTM D217 | 50-100 mm | 55-60 mm |
| Penetration, cone 32°F (0°C), 150 gm, 5 sec. | ASTM D217 | 40 mm min. | 40-65 mm |
| Flash Point, C.O.C., °F | ASTM D92 | 350°F min. | 450°F |
| Fire Point, C.O.C., °F | ASTM D92 | 375°F min. | 475°F |

Don't Just Seal It, ConSeal It!

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ISO 9001:2015 Registered

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Chemical Composition

Description

| | Spec | Required | CS-102 |
|---|-------------|----------|--------|
| Hydrocarbon plastic content % by weight | ASTM D297 | 50% min. | 51% |
| Inert mineral filler % by weight | AASHTO T111 | 30% min. | 35% |
| Volatile Mater % by weight | ASTM D6 | 2% max. | 1.2% |
| Non-extractable, carbon-based material | | | 12.8% |
| Recycled Content, % by weight | | | |
| Post Consumer: | | | 8.41% |
| Post Industrial: | | | 10.85% |

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.

Limited Warranty

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