

High Tack, Butyl Rubber Sealant for Precast Concrete, Metal, and Plastic Joints

Applications

For joints in: Metal to Metal, Metal to Concrete, Plastic to Plastic, Utility Vaults, Specialty Applications, and Burial Vaults. **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.
- 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.

Physical Properties & Chemical Composition

Description	Spec	CS-250
Color		Black
Specific Gravity, 77°F (25°C)	ASTM D71	1.30
Ductility, 77°F (25°C)	ASTM D113	6 cm
Softening point, °F (ring and ball)	ASTM D36	350°F
Penetration, cone 77°F (25°C), 150 gm, 5 sec.	ASTM D217	60-70 dmm
Flash Point, C.O.C., °F	ASTM D92	400°F
Fire Point, C.O.C., °F	ASTM D92	450°F
Volatile Mater, % by weight	ASTM D6	2%
Hydrostatic strength	ASTM C990	10psi for 10 minutes, minimum

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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