



STP Sprayable

**Sprayable, One-part,
Silyl-Terminated Polyether,
High Build Elastomeric,
Coating/Seam Sealant**

Technical Data Sheet

DESCRIPTION

BONDAFLEX STP SPRAYABLE is a sprayable, one-component, high performance, multi-purpose elastomeric, silyl-terminated polyether coating/seam sealant. Meets the requirements of California Air Resources Board 2003 requirements for Volatile Organic Compound content.

WHERE TO USE

Industrial Application

- Seam sealant
- Lap seams
- Sealing rivets/fastener heads
- Corrosion protection
- Sound deadening
- Truckbed lining

OEM

- Auto/truck/trailer/bus/train
- RV

Construction Application

- Waterproofing cavity walls

Locations

- Horizontal and vertical
- Interior and exterior
- Above and below grade

Substrates

- Aluminum, wood, steel, extruded PVC, FRP, SMC, RIM, galvanized, aluminized steel, many plastic and composites, painted metals, glass, concrete, masonry, brick and natural stones

FEATURES

- Silyl-Terminated Polyether
- Unique Cure
- Excellent adhesion
- High abrasion and tear strength
- One-component
- Paintable and sandable
- Provides corrosion protection
- Non-staining, non-yellowing
- Superior gunning and tooling
- Primerless for most substrates
- Resistant to road salts

BENEFITS

- Combines best qualities of urethane and silicone sealants
- Paintable after two hours
- Bonds to most substrates without priming
- Wide range of applications
- Ready to use, labor cost reduction
- Easier to match contour of parts
- Extends component life
- Improved aesthetics
- Speed and ease of application
- Save application steps
- Ideal for vehicular applications

TYPICAL PROPERTIES

Cured 7 days @ 75°F (24°C) and 50% RH

		TEST METHOD
100% Modulus, psi (MPa)	235 (1.62)	ASTM D-412
Hardness, Shore A	50±5	ASTM C-661
Tensile Strength, psi (MPa)	300 (2.07)	ASTM D-412
Tear Strength, lbf/in (kN/m)	50 (8.75)	ASTM D-624
Elongation at Break, %	275	ASTM D-412
Peel Strength, pli	25	ASTM C-794
Accelerated Weathering	passes	ASTM C-793
Staining	passes	ASTM C-510
<u>Uncured</u>		
Tack-Free Time	75 mins.	ASTM C-679
Cure Rate	3/16 inch/24 hrs.	MNA Method
Extrusion Rate g/min 1/8" orifice @ 90 psi	1800	ASTM C-1183 modified
Volatile Organic Content	1.68% by wt 27 g/L 0.22 lbs/gal	
Service Temperature	-30° to 200° F -34.4° to 93.3°C	

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

PACKAGING

- 10.1 fl. oz (300 ml) disposable cartridges
- 4.5 gal (17 L) in a 5 gal pail
- 52 gal (197 L) in 55 gal drum

Special packaging available upon request – ask your local Representative for more information.

STORAGE/SHELF LIFE

When stored in the original, unopened containers at or below 75°F (24°C), shelf life is six months. A product skin may form in pails and drums, remove prior to use.

COLORS

Gray and White. Custom colors are available upon request – ask your local Representative for more information.

SURFACE PREPARATION

The substrate must be clean, dry, frost free, sound and free of any oils, greases or incompatible sealers, paints or coatings that may interfere with adhesion.

PRIMING

BONDAFLEX STP SPRAYABLE is designed to obtain adhesion without the use of a primer; however, certain substrates may require a primer. Test by applying the sealant and/or primer sealant combination to confirm results and proposed application methods. Refer to Technical Data Sheet for primers **BONDAFLEX PUR 1000** or **BONDAFLEX PUR 1500** and contact Technical Service for additional information.

APPLICATION

1. Ready to use. Apply by using a brush, roller or spray equipment. Do not open product container until preparation work has been completed.
2. Adjust air pressure to obtain a uniform spray pattern. Apply to desired thickness up to 1/4 inch without sagging.
3. Coating may be over painted after 2 hours at standard conditions. Lower temperature and humidity will extend cure rate.
4. For cold weather application, condition material to above 75°F (24°C) prior to use.

CLEAN UP

Remove excess coating from substrate while still uncured with commercial solvent, such as xylene. Cured sealant may be removed by mechanical means.

LIMITATIONS

- Do not allow coating to come in contact with solvent during cure.
- Not intended for long-term immersion.
- Coating may be applied below freezing temperatures if substrates are completely dry, frost free and clean. Contact Technical Service for more information.
- Maximum application temperature 120°F (49°C).
- Do not apply to damp or wet substrates.
- Lower temperature and humidity will extend tack free and cure rates.
- Allow treated wood to age 6 months before application.

FIRST AID

In case of eye contact, flush thoroughly with water for at least 15 minutes. SEEK IMMEDIATE MEDICAL ATTENTION. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION. Refer to Material Safety Data Sheet (MSDS) for further information.

PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN. Use only with adequate ventilation. Keep container closed. Prevent contact with skin, eyes and clothing. Wash thoroughly after handling. DO NOT take internally. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable federal, state and local regulations. All label warnings must be observed until container is commercially cleaned or reconditioned.

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