



PARBOND™ Rubber-based Sealant

SC-0271 White
SC-0272 Aluminum
SC-0273 Clear

DESCRIPTION

PARBOND is a weather-resistant, rubber-based sealant for small joints or gaps up to 1/8" between metal, glass, masonry, and wood. It provides moisture resistance and weather protection through temperature variations, flexing and moderate elongation and compression. It sets up by evaporation of solvent to a tough flexible bead. An initial surface film forms in one hour, but final cure will take 24 to 72 hours, depending on the thickness and ambient temperature. Cured film will withstand exposure to weather, temperature extremes of -20°F to 180°F, water, water vapor and air pressure. This sealant is formulated to meet AAMA 803.1-92, Type II Specification for narrow joint seam sealers.

PRODUCT USES

PARBOND can be used within the opening or as a surface coating over very fine cracks. Typical applications are: miter joints in window or door frames, needle glazing, top dressing over non-dry sealants to avoid dirt pick up. It can be a sealant for rain gutters and downspouts, around automotive windshields and back lights, and for sealing of sinks, tile and ducts in kitchens, galleys, and bathrooms.

TYPICAL PHYSICAL PROPERTIES and GENERAL INFORMATION

| Property | SC-0271 Value | SC-0272 Value | SC-0273 Value |
|----------------------------------------------|--------------------------------------------------------------|----------------------------------------|----------------------------------------|
| RAW MATERIAL BASE | SYNTHETIC RUBBER | SYNTHETIC RUBBER | SYNTHETIC RUBBER |
| COLOR | WHITE | ALUMINUM | CLEAR, COLORLESS |
| SPECIFIC GRAVITY | 0.98 | 0.96 | 0.94 |
| ELONGATION @77° F | 300% | 300% | 300% |
| WEIGHT PER GALLON | 8.23 POUNDS | 8.23 POUNDS | 7.47 POUNDS |
| SOLIDS BY WEIGHT | 60% | 60% | 59% |
| FLASH POINT(TAG CLOSED CUP) | 45° F (7° C) | 45° F (7° C) | 40° F (4° C) |
| TACK-FREE TIME (RT/50% RH), ¼" BEAD | 30 MINUTES | 30 MINUTES | 30 MINUTES |
| FULL CURE TIME | 24-72 HOURS | 24-72 HOURS | 24-72 HOURS |
| VISCOSITY | 35,000 CPS | 35,000 CPS | 47,000 CPS |
| SOLVENT | TOLUENE | TOLUENE | TOLUENE |
| VOC | 415 G/L | 415 G/L | 368 G/L |
| PHOTOCHEMICALLY ACTIVE | YES | YES | YES |
| SHELF LIFE | ONE YEAR | ONE YEAR | ONE YEAR |
| SERVICE TEMPERATURE | -20°F(-29°C) TO 180°F(82°C) | -20°F(-29°C) TO 180°F(82°C) | -20°F(-29°C) TO 180°F(82°C) |
| FLEXIBILITY @ -20° F (-7° C) OVER ¼" MANDREL | NO CRACKING, CHECKING OR ADHESION LOSS | NO CRACKING, CHECKING OR ADHESION LOSS | NO CRACKING, CHECKING OR ADHESION LOSS |
| COVERAGE 1/8" BEAD | 1562 LINEAR FT/GAL | 1562 LINEAR FT/GAL | 1562 LINEAR FT/GAL |
| WATER RESISTANCE | EXCELLENT | EXCELLENT | EXCELLENT |
| HEAT RESISTANCE | 2 HR @300°F (149°C) | 2 HR @300°F (149°C) | 2 HR @300°F (149°C) |
| 100% HUMIDITY | NO EFFECT | NO EFFECT | NO EFFECT |
| CLEAN-UP SOLVENT | TOLUENE, XYLENE, MEK, ETHYL ACETATE, PROPYL ACETATE | | |
| FORM & PACKAGING | DRUMS; 5-GAL PAILS; 1-GAL CANS; 11 OZ CARTRIDGES; 5 OZ TUBES | | |

EQUIPMENT SUGGESTIONS

CAULKING GUN if packaged in cartridges.

25:1 PUMP WITH FOLLOWER PLATE if packaged in 5-gal. or 55-gal. drums.

APPLICATION TECHNIQUES

1. Surfaces to be sealed should be clean, dry and free of oil and moisture. Sealant can be applied over well-cured, hard, and thoroughly secure paint film. However, soft films or those with questionable adhesion, should be removed.
2. Apply the sealant through a Plews gun or similar flow gun, or from a collapsible tube, cartridge or plastic squeeze bottle.
3. Apply a small bead. If the opening is sufficiently large, force a small amount of the sealant into the joint. Bridge small openings at least 1/8" on each side. Apply in a smooth bead and allow to level. Do not attempt to tool the surface.
4. Do not handle, move, or pack for one hour until a surface film has formed.
5. Clean hands and tools with mineral spirits.

STORAGE AND HANDLING

The shelf life of this product is 1 year, when stored at 60-80°F in original sealed container. If stored below 60°F, the product should be conditioned in its unopened container, at room temperature for at least 24 hours before using.

WARNING! FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE.

PRECAUTIONS

Vapors may ignite explosively and cause flash fire if they contact an ignition source. Vapors may settle in low-lying areas or travel long distances to an ignition source. Ensure industrial ventilation systems are on and functioning properly, or use sufficient general dilution ventilation to maintain vapor concentrations below recommended exposure limits. Keep away from heat, spark, or open flame, including pilot lights, lighters or electric switches. Disconnect all gas or electrical appliances, e.g., furnaces, heaters, power tools, until all vapors have been cleared from the area. Static charges can accumulate during shipping, unloading, pouring or conveying. Ground and bond container receiving equipment and personnel before transferring material. Do not generate static sparks (such as by walking on carpet, etc.). Keep container closed during and after use. Empty container may contain vapors - do not cut, drill, grind, or weld on or near this container.

Vapors harmful. Acute overexposure to vapors may cause dizziness, headache, nausea, and unconsciousness. Prolonged overexposure to vapors may cause liver and kidney damage. Absorbed through the skin. Harmful if swallowed. Eye and skin irritant.

WARNING: This product contains toluene, a chemical known to the State of California to cause birth defects or other reproductive harm.

NOT INTENDED FOR CONSUMER SALE OR USE. FOR INDUSTRIAL USE ONLY.
Consult Material Safety Data Sheet for further information.

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ADEQUATE TESTS: The information contained in this bulletin we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be made in your laboratory or plant to determine if this product meets all of your requirements.