

**DOLPHIN 7549**

**UVR ElastiSeal™ SEALANT**

**DESCRIPTION:** **DOLPHIN 7549** is a tough, thermoplastic rubber sealant. This self-leveling formula can be made in a wide variety of colors, including custom color matches. The addition of ultra violet light absorbers gives long-term color stability to this product. This sealant bonds to a wide variety of substrates including glass, fiberglass, steel, aluminum, and most primed and painted surfaces. **DOLPHIN 7549** self-leveling sealant was developed for use on roofs of recreational vehicles. Variations of **DOLPHIN 7549** sealants are currently used on school buses and livestock trailers.

This product may be painted over, if necessary; paint adheres well and it will not discolor finishes. This product offers higher tensile strength, greater elongation, and greater adhesive strength than many of the moisture-cured urethane sealants now on the market. This product also offers better package stability and cure without dependence on humidity.

**APPLICATION:** This sealant is normally supplied in five-gallon pails, one gallon cans and quart cans; it may also be ordered in drums. This material may be poured or pumped onto roof seams, around vents, around skylights and used to seal accessories installed through the roof. This sealant may be brushed out to control thickness and to work the material into seams. This sealant skins over quickly after application. Paint may be applied to this sealant as soon as a skin forms. Tools can be cleaned with toluene or xylene.

**PROPERTIES:**

Specific Gravity:	1.15 - 1.21
Solids:	66 - 70%
Flash Point, Seta Flash CC:	45° - 50°F
Sag Resistance:	Self levels to 1/16" wet film
Dry Time @ 68° F; 50% RH ASTM D 1640; .125" thick	15 to 20 minutes set to touch 36 hours through dry

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**THE FOLLOWING TESTS WERE PERFORMED AFTER  
DRYING 21 DAYS @ 68° F; 50% RH**

Hardness, Shore A Durometer ASTM D 2240; 5 seconds	70 – 80
Adhesion, Sheer: ASTM D 1002	450 psi
Tensile Strength: ASTM D 412; Die C	1300 psi
Elongation: ASTM D 412; Die C	1000%
Low Temperature Flexibility: ASTM C 711; 2.5"mandrel @-20°F	No cracking No loss of adhesion
Effects of Heat Aging: ASTM C 792; 168 hours @ 158°F	No discoloration No loss of adhesion
Humidity Resistance: ASTM D 2247; 250 hours @ 100° F; 100% RH	No corrosion under sealant No loss of adhesion
Salt Spray Resistance: ASTM B 117; 500 hours	No corrosion under sealant No loss of adhesion
Flammability: MVSS 302	Pass Burn rate less than 1" min.

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