

DOLPHIN 7540 SERIES

UVR ElastiSeal™ SEALANT

DESCRIPTION: The **DOLPHIN 7540 Series** is a group of tough, thermoplastic rubber sealants. These self-leveling materials 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 these products. These sealants bond to a wide variety of substrates including glass, fiberglass, steel, aluminum, rubber, and most primed and painted surfaces. The **DOLPHIN 7540 Series** of self-leveling sealants was developed for use on roofs of recreational vehicles. Variations of the **DOLPHIN 7540 Series** of sealants are currently used on school buses and livestock trailers.

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

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

PROPERTIES:

Colors:	DOLPHIN 7547 – Off White DOLPHIN 7549 - White
Specific Gravity:	1.15 - 1.21
Solids:	66 - 70%
Flash Point, Seta Flash CC:	45° - 50°F

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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

**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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