

## DOLPHIN 7050 Series

### Low HAPS WinSeal™ ADHESIVE/SEALANTS

**DESCRIPTION:** These strong, fast drying, thermoplastic rubber adhesive/sealants are formulated with controlled flow viscosity; the rheology balance of these products allows them to self level without running. Their low viscosity allows them to flow into seams and self-level; their thixotropy prevents flowing out of the seams and resists flow on vertical surfaces. Ease of application from pump oilers to narrow seams permits their use as trim sealants along corners and edges; they may also be used to seal the mechanical fasteners used in the assembly of radius windows.

These adhesive/sealants adhere to most surfaces including glass, fiberglass, steel, aluminum, rubber and most primed and painted surfaces. Because of their excellent exterior durability, the **DOLPHIN 7050 Series** of adhesive/sealants offer the ultimate in flexibility, even when exposed to extremely low temperatures. These products may be painted over, if necessary; paint adheres well and these adhesive/sealants will not discolor most finishes.

**APPLICATION:** These products are normally supplied in ones, fives and drums. Because solvent evaporation will increase the viscosity of these adhesive/sealants, it is recommended that they be pumped from closed containers; the **DOLPHIN 7050 Series** may be dispensed from pump oilers.

When used in the assembly of new windows, **DOLPHIN WinSeal** sealants will adhere to new, clean extruded aluminum (both painted and unpainted) and glass without special treatment.

When used to repair windows in service, surfaces to be sealed must be free of dirt, oil and coatings, such as wax or polish. To make sure that the surface is clean, we recommend that the area to be sealed be solvent wiped with toluene or a ketone solvent, such as acetone.

These adhesive/sealants skin over quickly after application; they may be painted over as soon as a skin forms. Thin with toluene, if necessary; equipment may be cleaned with toluene or xylene after use.

Technical Data Sheets are intended as a guide for our customers and are based on tests believed reliable. Since usage of our products is beyond our control, we can make no warranty, expressed or implied, as to such use, or related activities, whether or not in accordance with directions. Our statements shall not be construed as inducements to infringe any patent.

**DOLPHIN 7050 Series**

**PROPERTIES:**

Color:	<b>DOLPHIN 7050 - Black</b> <b>DOLPHIN 7052 - Aluminum</b>
Solids by wt.:	49% - 53%
Specific Gravity:	0.71 – 0.76
Flash Point, Seta Flash CC: ASTM D 3278	40° - 50° F
Dry Time @ 68° F; 50% RH ASTM D 1640; .125" thick	5 minutes set to touch 24 hours through dry

**THE FOLLOWING TESTS WERE PERFORMED AFTER  
DRYING 21 DAYS @ 68° F (20° C); 50% RH**

Adhesion, Peel: ASTM C 794; 180°	>25 lbs/in. from aluminum >25 lbs/in. from painted aluminum >25 lbs/in. from glass
Low Temperature Flexibility: ASTM C 711; 2.5" mandrel @ -20° F (-29° C)	No cracking No loss of adhesion
Effects of Heat Aging: ASTM C 792; 336 hours @ 158° F (70° C)	Flexibility maintained No loss of adhesion
Modified Salt Spray Testing; Dilute Electrolyte Cyclic Fog/Dry Test ASTM G 85; Annex A5 2000 hours	No corrosion under sealer No adhesion loss
QUV Light/Water Exposure: ASTM G 53; QUV-A 340 lamps 250 hours	No cracking No adhesion loss Slight yellowing of aluminum color

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