

MidVisc HydroArmor Water- Borne Protective Coating

DESCRIPTION: Sprayable latex coating designed for use on aluminum, fiberglass, cold rolled steel, galvanized steel and most metal primers. **DOLPHIN 7758** is formulated to give very good corrosion protection even when applied as thin as 20 mils wet. This medium viscosity, sag resistant coating can be easily sprayed onto exposed underbody areas, and into restricted areas such as tubing and “hidden” areas accessible only with spray wands; wet film builds of up to 40 mils can be applied without runs, drips or sags. Our lab tests of **HydroArmor** show this coating is extremely durable under even the worst service conditions: several days at 250° F and immersion in acidic and caustic solutions did not affect the dried film; rocks bounced off the coating when test panels were subjected to the “Gravelometer” at -30° F.; after 1500 hours in the salt spray cabinet, the **HydroArmor** coating remains intact and there is no corrosion under the coating. **HydroArmor** dries quickly at ambient temperatures and will withstand urethane paint bakes after only 30 minutes dry at room temperature.

HydroArmor’s Volatile Organic Content is lower than all coatings limits established today. It is as safe to use and as easy to clean up as latex house paint. **HydroArmor** provides **better** protection than any of the competitive products we’ve tested without environmental and safety problems inherent in many of the undercoatings available today.

APPLICATION: As with any coating, all loose dirt and rust should be removed before application. **HydroArmor** is designed to be applied with airless spray equipment. We recommend that a minimum of 25 wet mils be applied for optimum performance. We have sprayed this product with a 30:1 airless pump with a Graco airless spray gun. With this equipment, we can spray at 40 to 50 pounds air pressure using spray tips with orifices from .015" to .027". **HydroArmor** resists water wash-off after air drying 30 minutes at 45-55% relative humidity; if not baked, it dries through in 24 hours or less (drying is slowed by high humidity and poor air circulation). Until **HydroArmor** dries, overspray can be removed and equipment can be cleaned with water. Dried material can be removed with Methyl Ethyl Ketone.

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DOLPHIN 7758

PROPERTIES:

Specific Gravity:	1.44 - 1.50
Color:	Lt. Gray
Solids by wt:	69 - 73%
Volatile Organic Content:	.20 -.22 lbs./gal.
pH	9 - 10
Freeze/Thaw Stability: ASTM D 2243; 4 cycles to -20°F.	Pass Sprayable after hand mixing

**THE FOLLOWING TESTS WERE PERFORMED
ON PANELS COATED WITH 15 DRY MILS OF MATERIAL
AFTER DRYING 21 DAYS @ 68° F.; 50% RH.**

Gravelometer: SAE J400 @ -30°F.	Slight chipping of coating but No penetration to substrate; No cracking; no adhesion loss.
Effects of Heat Aging: ASTM C 792; 14 days @ 158°F.	Flexibility maintained No cracks, no adhesion loss
Effects of Exterior Exposure: GMTM 9505P, Cycle F	No cracks, no adhesion loss after two weeks of cycling
Salt Spray Resistance: ASTM B 117; 1500 hours	No loss of film strength No corrosion under coating No loss of adhesion
Flammability: MVSS 302	Pass Self-extinguishing within 1"

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