

DOLPHIN 7755

LoVisc *HydroArmor*[®] WB Protective Coating

DESCRIPTION: Sprayable latex coating designed for use on aluminum, fiberglass, cold rolled steel, galvanized steel and most metal primers. **DOLPHIN 7755** is formulated to give very good corrosion protection even when applied as thin as 10 mils wet. This low 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 20 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 10 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.

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 7755

PROPERTIES:

Specific Gravity:	1.44 - 1.50
Color:	Black
Solids by wt:	69 -73%
Volatile Organic Content:	.19 - .21 lbs./gal.
pH	9 - 10
Freeze/Thaw Stability:	Pass
ASTM D 2243; 4 cycles to -20°F.	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
Cyclic Fog/ UV Exposure ASTM D 5894:16 weeks	No loss of film strength No corrosion or bubbling No loss of adhesion
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"

ES040204
Rev: 022006kb

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.