



HydroArmor® 7763

Low Viscosity, Water Based Protective Coating for Oily Metal

Description

HydroArmor® 7763 is a sprayable latex coating designed for use on aluminum, fiberglass, cold rolled steel, galvanized steel and most metal primers. **HydroArmor® 7763** is formulated with additives to improve adhesion to oily metal. It provides 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 tests of **HydroArmor® 7763** show this coating is extremely durable under even the worst service conditions. Several days at 121°C (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 -34°C (-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 time at room temperature.

HydroArmor® is as safe to use and as easy to clean up as latex house paint. **HydroArmor® 7763** 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® 7763** is designed to be applied with airless spray equipment. We recommend that a minimum of 10 wet mils of **HydroArmor®** 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.

Properties	
Specific Gravity	1.41 - 1.47
Color	Black
Solids Content	68% - 73%
VOC Content	28-31 g/L
Freeze/Thaw Stability: ASTM D 2243; 4 cycles @ -29°C (-20°F)	Pass Sprayable after hand mixing

Health & Safety

Prior to working with this or any product consult product label and Safety Data Sheet (SDS) for necessary health and safety precautions.

**THE FOLLOWING TESTS WERE PERFORMED ON
PANELS COATED WITH 15 WET MILS OF MATERIAL
AFTER DRYING 21 DAYS @ 20°C (68°F); 50% RH**

Gravelometer: ASTM D 3170 @ -34°C (-30°F)	10 rating No penetration to substrate
Effects of Heat Aging: ASTM C 792; 14 days @ 70°C (158°F)	0 rating (highest score possible) No cracks No loss of adhesion
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	8 rating (Scale; 10 = best) No corrosion No loss of adhesion
Flammability: MVSS 302	Pass Self-extinguishing within 1"

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