



## HydroArmor® 7755

### Low Viscosity, Water Based Protective Coating

#### Description

**HydroArmor® 7755** is a sprayable latex coating designed for use on aluminum, fiberglass, cold rolled steel, galvanized steel and most metal primers. **HydroArmor® 7755** is formulated to give very good corrosion protection when applied as thin as 20 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 30 mils or more 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 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®** 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.

#### Health & Safety

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

#### 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 20 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.

Properties	
Specific Gravity	1.44 - 1.50
Color	Black
Solids Content	69% - 73%
VOC Content	10-13 g/L
pH	9 - 10
Freeze/Thaw Stability: ASTM D 2243; 4 cycles to -29°C / -20°F	Pass Sprayable after hand mixing

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

Gravelometer: SAE J400 @ -34°C (-30°F)	Slight chipping of coating No penetration to substrate No cracking No loss of adhesion
Effects of Heat Aging: ASTM C 792; 14 days @ 70°C (158°F)	Flexibility maintained 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	No loss of film strength No corrosion under coating No loss of adhesion
Flammability: MVSS 302	Pass Self-extinguishing within 1"

**WARRANTY:** Royal warrants its products to conform to Royal's specifications at the time of sale when tested according to Royal standards. If a product is proven to be defective when tested according to Royal standards, Royal will, at its option, refund the purchase price or replace or repair the defective product. THIS LIMITED WARRANTY IS THE BUYER'S SOLE AND EXCLUSIVE REMEDY AGAINST ROYAL AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event shall Royal be liable for any special, incidental, consequential, or punitive damages arising out of any claims whether based on negligence, contract, warranty, strict liability or otherwise.