



HydroArmor® 7720

Water Based, Anti-Wicking Coating, Black

Description

HydroArmor® 7720 is a latex coating that prevents water from wicking into boat flooring, bus flooring and recreational vehicle walls. **HydroArmor® 7720** can be brushed or rolled onto floor boards, the cut edges of floor boards, wall edges and to window and wheel openings. The coating dries to form a waterproof seal that prevents moisture from wicking into AB marine wood flooring, plywood, soft and hardwood, bead board and the bond lines between the materials used in the construction of the RV walls.

Our lab tests of **HydroArmor®** show this material is extremely durable under even the worst service conditions. Several days at 250°F (121°C) and immersion in acidic and caustic solutions did not affect dried coats of this material. Coats did not lose adhesion or crack when test panels were bent at -30°F (-34°C). After weeks of exterior exposure cycling, the **HydroArmor®** coatings remained intact and there was no adhesion loss. **HydroArmor®** products dry quickly at ambient temperatures.

HydroArmor® is as safe to use and as easy to clean up as latex house paint. **HydroArmor® 7720** provides better protection than any of the competitive products we've tested while avoiding the environmental and safety problems inherent in many such coatings.

Application

As with any coating, mix product thoroughly before use. All loose dirt and dust should be removed from the surface to be coated before application. **HydroArmor® 7720** is normally applied to all floor surfaces and edges and to wall edges with a roller or brush. **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	1.19 - 1.25
Color	Black
Solids Content	41% - 45%
VOC Content	80-90 g/L
pH	9 - 10
Freeze/Thaw Stability: ASTM D 2243; 4 cycles to -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.

CAUTION: All statements and technical information in this document are based on tests or data that Royal believes is reliable. However, Royal does not warrant or guarantee the accuracy or completeness of this information. The user has sole knowledge and control of factors that can affect the performance of Royal's products in the user's intended application. It is the user's responsibility to conduct tests to determine the compatibility of Royal's product with the design, structure, and materials of the user's end product and the suitability of Royal's product for the user's method of application and intended use. The user assumes all risk and liability arising out of such use.

**THE FOLLOWING TESTS WERE PERFORMED ON
PANELS COATED WITH 8 WET MILS OF MATERIAL
AFTER DRYING 21 DAYS @ 20°C (68°F); 50% RH**

Effects of Heat Aging: ASTM C 792; 14 days @ 70°C (158°F)	Flexibility maintained No cracks No loss of adhesion
Effects of Exterior Exposure: GMTM 9505P: Cycle E	No cracks No loss of adhesion after two weeks of cycling
Humidity Resistance: ASTM D 2247 Blistering rated by ASTM D 714 Adhesion rated by ASTM D 3359	No blistering or softening of film No loss of adhesion 10 (scale 1 to 10; 10 = best) 5B (scale 1 to 5; 5 = best)
Water Resistance Efficiency ASTM D 5401	96.7% efficiency
Flammability: MVSS 302	Pass Self-extinguishing within 1"
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.