

ESSENTIAL R6070

FORMULATED SELF CROSS-LINKING WATERBORNE ACRYLIC/URETHANE POLYMER

Essential R6070 is a ready-to-use formulation based on Essential R6010, a single component, self cross-linking, water-based urethane acrylic polymer. It has been completely formulated to provide a coating with exceptional durability and outstanding chemical, mar and scuff resistance to rival typical solvent-borne, oil-modified urethanes. R6070 has excelled as a wood finish, especially in areas that demand high wear surfaces such as gym floors. It also passes MFMA criteria for water-based finishes.

Essential R6070 also has found a niche market as a topcoat to protect decorative concrete. It protects it from household chemical spills, wear due to foot traffic and damage due to U.V. light.

KEY BENEFITS

- One package, self cross-linking
- Exceptional chemical resistance
- Outstanding mar and scuff resistance
- Excellent water resistance
- Fast dry

DISCLAIMER: The information and recommendations contained herein are based on data believed to be correct. The information is offered solely for the customer's consideration, investigation and verification because of numerous factors beyond our control affecting the results of the use of products, Essential Industries, INC. makes no warranty of any kind, expressed or implied, including those of merchantability and fitness for a particular purpose, other than that the product conforms to its applicable current standard specification. The manufacturer's only obligation shall be to replace such quantity of the product proven to be defective.

TYPICAL PROPERTIES*

Appearance	Off-White Emulsion
pH	7.7
Solids, % by Weight.....	29.0
Solids, % by Volume	26.8
Viscosity, cP @ 25°C -	
Brookfield, LV2, 60rpm	50
Density, Lbs./Gal.	8.6
VOC Level (As Supplied)	
Lbs./Gal.	2.15
G/L	< 250
Freeze/Thaw Stable	Passes 3 Cycles

*These values should not be interpreted as specifications.



The Spark of Innovation

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Performance Information

All tests were performed on coatings kept at 77°F and 50% RH for seven days.

Tests Performed on Aluminum Panels (1-Mil Dry Films)

Konig Hardness (Seconds)	80
Grit Feed Taber Abrasion (Mg Loss, 500 Cycles, 1000g)	25

Tests Performed on Maple Veneer (3 Coats, 1-Mil Dry Per Coat)

1 Hour Covered Spot Test.

Water	No Effect
Soda	No Effect
Beer	No Effect
Formula 409	Slight Visual Damage, Full Recovery
100% Ethanol	Softening, Full Recovery
50% Ethanol	Slight Softening, Full Recovery
70% Isopropyl Alcohol	Slight Softening, Full Recovery

Test performed on Oak panel (3 coats, 1 Mil Dry Per Coat). Water at 100°C is dripped on panel and ceramic coffee mug containing water initially at 100°C is placed on top of water spot for 20 minutes.

Boiling Water/Hot Ceramic Mug.....No visual damage



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