

ESSENTIAL R4370

POLYURETHANE / ACRYLIC HYBRID

Essential R4370, a urethane/acrylic hybrid, is solvent-free; allowing for coatings to be formulated to < 100 g/l while still offering a balance of hardness and flexibility.

For improved resistance, Essential R4370 can be cross-linked with either a polyaziridine or a trimer. These 2-K systems exhibit excellent gloss and exceptional chemical and mar resistance.

Essential R4370 has shown excellent adhesion to various substrates; in particular, wood, concrete and cold-rolled steel.

KEY BENEFITS

- Low VOC
- Solvent-free
- n-MP-free

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	Milky White
pH.....	7.7
Solids, % by Weight	35.0
Viscosity, cps @ 25°C	< 100
Density, lbs/gal	8.7
%VOC	1.4
Acid Number	19
Freeze/Thaw Stability ...	Passes 3 cycles
Konig Hardenss (secs).....	102

*These values should not be interpreted as specifications.



The Spark of Innovation

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Film Properties

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

Tensile Strength, PSI 3900
Elongation at Break, %..... 50

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

Konig Hardness (Seconds) 1 Day, 7 Day84, 102
Grit Feed Taber Abrasion (Mg Loss, 500 Cycles, 1000g) 25