

ESSENTIAL R4188

POLYURETHANE DISPERSION

Essential R4188 is a high solids aliphatic polyurethane dispersion designed to impart superior abrasion resistance and a combination of film hardness, flexibility and toughness which makes it an ideal PUD for topcoat applications.

R4188 is ideal for formulation as a sealer or topcoat for masonry-type substrates to protect against the migration of soluble salts through these substrates. R4188 has shown to have excellent efflorescence resistance properties.

KEY BENEFITS

- Abrasion resistance
- Film toughness
- Excellent adhesion
- Exterior durability

TYPICAL PROPERTIES*

Appearance	Translucent
pH.....	8.0
Solids, % by Weight	38.0
Viscosity, cps @ 25°C	< 150
Density, lbs/gal	8.8
% VOC	10.5
Acid Number	24
Freeze/Thaw Stability	Passes 3 cycles
Konig Hardness (secs).....	67

*These values should not be interpreted as specifications.

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.



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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 2100
Elongation at Break, %..... 255

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

Konig Hardness (Seconds) 1 Day, 7 Day 67, 67
Grit Feed Taber Abrasion (Mg Loss, 500 Cycles, 1000g) 2