

ESSENTIAL R4115

WATERBORNE ALIPHATIC POLYURETHANE DISPERSION

DESCRIPTION

Essential R4115 is a triethylamine-free polyurethane dispersion that exhibits a unique combination of high elongation and tensile. Designed for wood floor, furniture, cabinet and trim finishes, R4115 can be blended with acrylics if desired. Applications also include metal and plastic coatings.

R4115 exhibits excellent exterior durability and can be used to produce both clear and pigmented coatings.

KEY BENEFITS

- Triethylamine-Free
- Abrasion Resistance
- Toughness
- Low VOC

TYPICAL PROPERTIES*

Appearance	Milky-White Emulsion
pH	7.6
Solids, % by Weight	38.0
Solids, % by Volume	35.0
Viscosity, cP @ 25°C	50
Density Lbs./Gal.	8.8
VOC Level (As Supplied)	
Lbs./Gal.	2.15
G/L	258
Particle Charge	Anionic
Acid Number	26

**These values should not be interpreted as specifications.*

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F0409

TECHNICAL DATA

R4115

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ESSENTIAL R4115 FILM PROPERTIES

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

Tensile Strength, PSI	3200
Elongation at Break, %	350
Tests Performed on Aluminum Panels (1-Mil Dry Films)	
Konig Hardness (Seconds):	82
Taber Abrader (Mg Loss, CS10, 500 Cycles, 1000g)	3