

ESSENTIAL R4310

N-MP-FREE URETHANE/ACRYLIC HYBRID

Essential R4310, a 41% solids urethane/acrylic hybrid based on aliphatic diisocyanate and a polyether polyol, has been designed for applications where hydrolytic stability and elastometric properties are required. R4310 is non-yellowing and exhibits high elongation, excellent flexibility and rebound. In addition to extremely low VOC's, 42 g/l, it is HAP's-free.

KEY BENEFITS

- HAP's-free
- Low VOC
- Elastometric
- Hydrolytic stability

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	Opaque White
pH	7.5
Solids, % by Weight	41
Viscosity, cP @ 25°C -	
Brookfield, LV2, 30rpm	< 1000
Density Lbs./Gal.	8.70
VOC Level (As Supplied)	
Lbs./Gal.	0.35
G/L	42
Particle Charge	Anionic
Acid Number	19

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



**EssentialTM
Polymers**

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 3635
Elongation at Break, % 230

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

Konig Hardness (Seconds) (1 day, 7 day) 62, 64
Grit Feed Taber Abrasion (Mg Loss, 500 Cycles, 1000g) 8



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