

ESSENTIAL R5034

ACRYLIC EMULSION POLYMER

Essential R5034 is a very hard, high Tg acrylic emulsion polymer that can be formulated into DTM formulations, as well as, stain resistant waterborne wood sealers. Formulations based on R5034 will give excellent salt spray resistance properties. Also, when formulated into a wood sealer it exhibits excellent resistance properties to coffee, iodine, mustard, tea and many other staining agents.

KEY BENEFITS

- High Tg polymer
- Excellent corrosion resistance
- Excellent stain resistance

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	Translucent White
pH.....	8.0
Solids, % by Weight	40.0
Viscosity, cps @ 25°C	< 100
Density, lbs/gal	8.7
% VOC	0
Acid Number	26
Freeze/Thaw Stability	Fails
Konig Hardness (secs).....	80

*These values should not be interpreted as specifications.



The Spark of Innovation

Visit us on the web at
www.essentialpolymers.com

28391 Essential Road • P.O. Box 12
Merton, WI 53056-0012
(262) 538-0091 • FAX: (262) 538-1354

ESSENTIAL R5034

ACRYLIC EMULSION POLYMER

Starting Point Formulation - FCC282

<u>Materials</u>	<u>Pounds</u>
Essential R5034	682.1
Dynol® 800	3.1
BYK 028	1.0
<i>Premix the following ingredients and add slowly:</i>	
Water	225.9
Dipropylene Glycol Monobutyl Ether	34.7
Tris(2-butoxyethyl) phosphate	44.9
Capstone™ FS-65	2.1
Halox Flash X-150	6.2
Total:	1000.00

Formulation Attributes

Solids, % by weight	30
pH.....	7.9
Viscosity (CPS)	< 50
VOC(g/L).....	46.7
Wt/gal	8.61