

# ESSENTIAL R5855

## FORMULATED HIGH GLOSS ACRYLIC EMULSION

Essential R5855 is a high gloss, acrylic polymer. It is intended for clear or lightly pigmented coatings and stains for wood, metal and plastic surfaces. R5855 contains coalescing, leveling and defoaming agents making it a fully formulated, clear, water-based product. This product may be thinned with water and forms an excellent high gloss finish suitable for floor finishes and wood stock, cabinets and trim, as well as plastic and metal coatings. It is non-yellowing and can be recoated in 30-60 minutes.

R5855 forms a hard, stain-resistant film with exceptional clarity and mar resistance. It exhibits superior flow and leveling properties and is self-cross-linking to produce fast-drying films.

### KEY BENEFITS

- Very clear film
- Formulation versatility (sealers and topcoats)
- Fast-drying
- Ready-To-Use

**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 Emulsion
pH .....	7.8
Solids, % by Weight.....	31.0
Solids, % by Volume .....	26.0
Viscosity, cP @ 25°C .....	150
Density, Lbs./Gal. ....	8.8
VOC Level (As Supplied)	
Lbs./Gal. ....	1.9
G/L .....	222.7
Freeze/Thaw Stable ....	Passes 3 Cycles

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



**Essential<sup>TM</sup>  
Polymers**

**The Spark of Innovation**

Visit us on the web at  
[www.essentialpolymers.com](http://www.essentialpolymers.com)

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## Typical Film Properties

Air Dry (23% Solids at 0.2 Mils)

Tack-Free .....	5 Minutes
Hard .....	20 Minutes
Recoat.....	30 Minutes
Konig Hardness (Seconds) .....	127
Flexibility.....	1/4 Mandrel, Pass Cold Rolled Steel, Bonderite 1000)
Humidity Resistance	
(Relative Humidity at 100%)....	Excellent (Passes 240 Hrs., 100°F)
Water Soak Resistance .....	Excellent (Passes 240 Hrs., 100°F)
Intercoat Adhesion .....	Excellent
Recoatibility.....	Excellent



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