

ECCOTHANE R4584

SILICONE-MODIFIED POLYURETHANE DISPERSION

ECCOTHANE R4584 is a silicone-modified, NMP-free polyurethane dispersion that delivers superior mar and scratch resistance with a lower coefficient of friction. At addition levels as low as 7.5% (on resin solids), it imparts excellent water-sheeting properties. It blends easily with acrylic polymers for coatings on wood, metal, and plastics.

KEY BENEFITS

- Silicone-modified PUD
- NMP-free
- Lower coefficient of friction
- Mar and scratch 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.....	8.1
Solids, % by Weight	34
Viscosity, cps @ 25°C	< 400
Density, lbs/gal	8.8
% VOC	11.4%
Particle Size, nm.....	75
Particle Charge	Anionic
Acid Number	23
Freeze/Thaw Stability	Fails
Konig Hardness, Secs.....	N/A

*These values should not be interpreted as specifications.



The Spark of Innovation

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POLYURETHANE DISPERSION

Film Properties

ASTM D2370, "Standard Test Method for Tensile Properties of Organic Coatings"

Tensile Strength, PSI 3,175
Elongation at Break, %..... 500