

**Sancure™ AU-4050 Polyurethane Dispersion**

Self-Crosslinking Urethane-Acrylic Hybrid Dispersion

Sancure™ AU-4050 is a waterborne one component self-crosslinking aliphatic polyurethane-acrylic hybrid dispersion designed primarily for clear wood finishes. Sancure™ AU-4050 dispersion was engineered with proprietary Lubrizol technology to provide performance properties on par with externally crosslinked systems. Sancure™ AU-4050 dispersion provides rapid hardness development, mar, scuff and black heel mark resistance. Sancure™ AU-4050 dispersion is also compatible with external crosslinkers, such as polyfunctional aziridine, isocyanate and carbodiimide. This additional crosslinking can be utilized for those applications requiring higher levels of performance. Clear finishes produced with Sancure™ AU-4050 dispersion exhibit a good balance of flow, leveling, defoaming and drying rate. The water white color and excellent clarity make this material suitable for use over white and pastel stains or basecoats.

**FEATURES AND BENEFITS**

- Block Resistance
- Crosslinkable
- Fast Drying
- Film Clarity
- Hardness
- Non-Yellowing
- Self-Crosslinking

**CHARACTERISTICS**

Characteristic Name	Value
% Weight Solids	35.0-38.0
Appearance	Opaque
Brookfield Viscosity (cps)	125 max
Density (g/cc @ 25 °C)	1.05
Density (lb/gal @ 25 °C)	8.7
Freeze/Thaw Stability	Protect
MFFT (°C)	39
Tg (°C)	54
VOC (g/L)	40
pH Value	7.0-9.0

**REGULATORY**

- APEO-Free<sup>1</sup>
- NEP-Free
- NMP-Free<sup>1</sup>

<sup>1</sup>Not intentionally added to the composition of this product

## APPLICATIONS

- Building & Construction Coatings
- Industrial OEM Coatings

## AVAILABLE REGIONS

- Asia Pacific
- EMEA
- Latin America
- North America

## RECOMMENDED STORAGE AND RE-TEST DATE

Lubrizol recommends retesting quality after 365 days. See SDS for storage conditions and handling instructions.

## REGULATORY STATUS

Please see the product's current material safety data sheet, SDS, for regulatory information. You can request an SDS at [www.lubrizol.com/coatings](http://www.lubrizol.com/coatings).

Should you have questions on additional topics, please feel free to contact your Lubrizol representative or one of our regional Customer Assistance groups listed here:

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