

Sancure™ AU4050E

Self-Crosslinking Urethane-Acrylic Hybrid Dispersion

Sancure™ AU-4050E is a waterborne one component self-crosslinking aliphatic polyurethane-acrylic hybrid dispersion designed primarily for clear wood finishes. Sancure™ AU-4050E dispersion was engineered with proprietary Lubrizol technology to provide performance properties on par with externally crosslinked systems. Sancure™ AU-4050E dispersion provides rapid hardness development, mar, scuff and black heel mark resistance. Sancure™ AU-4050E 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-4050E 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

- Abrasion Resistance
- Adhesion
- Block Resistance
- Crosslinkable
- Fast Drying
- Low Tack
- Non-Yellowing
- Scratch Resistance
- 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
pH Value	7.0-9.0

REGULATORY

- APEO-Free¹
- NEP-Free¹
- NMP-Free¹

¹Not intentionally added to the composition of this product

APPLICATIONS

- Building & Construction Coatings
- Industrial OEM Coatings
- Analog Printing Coatings
- Analog Printing Inks

AVAILABLE REGIONS

- Asia Pacific
- EMEAI
- 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.

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:

America: AmerLZAMCustomerAssistance@Lubrizol.com | Europe: EMEAICustomerAssistance@Lubrizol.com |

Asia: APCustomerAssistance@Lubrizol.com | Brazil: BrazilQualityLZAM@Lubrizol.com

DISCLAIMER

Lubrizol Advanced Materials, Inc. ("Lubrizol") hopes that you have found the information provided helpful, but you are cautioned that this material, including any prototype formulas, is for informational purposes only and you are solely responsible for making your own assessment of appropriate use of the information. **TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAWS, LUBRIZOL MAKES NO REPRESENTATIONS, GUARANTEES, OR WARRANTIES (WHETHER EXPRESS, IMPLIED, STATUTORY, OR OTHERWISE), INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR REGARDING THE COMPLETENESS, ACCURACY, OR TIMELINESS OF ANY INFORMATION.** Lubrizol does not guarantee how the materials referenced herein will perform in combination with other substances, in any methods, conditions, or processes, with any equipment, or in non-laboratory environments. **BEFORE COMMERCIALIZATION OF ANY PRODUCT CONTAINING THESE MATERIALS, YOU SHOULD THOROUGHLY TEST SUCH PRODUCT, INCLUDING HOW THE PRODUCT IS PACKAGED, TO DETERMINE ITS PERFORMANCE, EFFICACY, AND SAFETY.** You are solely responsible for the performance, efficacy, and safety of any products you manufacture. Lubrizol shall not be liable, and you shall assume all risk and responsibility for, any use or handling of any material. Any claims may not be approved in all jurisdictions. Any entity making claims related to these products is responsible for complying with local laws and regulations. Nothing contained herein is to be considered as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner, and it is your sole responsibility to determine if any issues related to patent infringement of any component or combination of components relating to the information provided exists. You acknowledge and agree that you are using the information provided herein at your own risk. If you are dissatisfied with the information provided by Lubrizol, your exclusive remedy shall be to not use the information.

COPYRIGHTS

Trademarks owned by The Lubrizol Corporation or its affiliates. © The Lubrizol Corporation 2022, All Rights Reserved.