

Sancure™ 20041 Polyurethane Dispersion

High Performance, Aliphatic Polyester PUD

Sancure™ 20041 is a high-performance aliphatic polyurethane dispersion that has been specifically developed to match the properties of high-performance polyurethane dispersions and to meet VOC regulations (<275 grams/liter VOC). Sancure™ 20041 polymer produces tough, clear, high gloss films with outstanding chemical and abrasion resistance at lower VOC levels than traditional high performance polyurethane dispersions. This polymer can be crosslinked with a water-dispersible aliphatic polyisocyanate or aziridine to maximize performance properties such as mar & scuff resistance. Good film formation can be achieved with Sancure 20041 using coalescing agents such as dipropylene glycol methyl ether (ARCOSOLV® DPM) at 25% on resin solids for isocyanate crosslinked coatings, or 30% on resin solids for 1K or aziridine crosslinked coatings.

FEATURES AND BENEFITS

- Abrasion Resistance
- Chemical Resistance
- Crosslinkable
- Film Clarity
- Glossy
- Toughness

CHARACTERISTICS

Characteristic Name	Value
% Weight Solids	33.0 - 35.0
Appearance	Opaque
Density (lb/gal @ 25 °C)	8.76
Elongation (%)	100 min
Freeze/Thaw Stability	5 cycles
Tensile (psi or Mpa)	3,500 min
VOC (g/L)	40.7

REGULATORY

- Low VOC⁴
- NMP-Free¹

¹Not intentionally added to the composition of this product

⁴Suitable for coating formulations where less than 140 g/l VOC (US EPA Method 24) or 75 g/l VOC (ISO 11890-1, Method 2) is desired based on calculations.

APPLICATIONS

- Building & Construction Coatings
- General Paper & Nonwovens
- Apparel 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.

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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