

# LANCO<sup>®</sup> MATT 2000

Silica-Based Matting Agent

PERFORMANCE COATINGS

## PRODUCT DESCRIPTION

Lanco Matt 2000 is an efficient matting agent for solvent and water-borne coatings, especially wood coatings. Based on silica with an organic surface treatment, it combines uniform matting control with excellent dispersibility, scratch resistance and mar resistance. Lanco Matt 2000 will not form hard-settlement like many untreated silica systems. This provides excellent in-can stability.

## FEATURES/BENEFITS

- Provides a smooth, soft surface feel
- Provides excellent uniform flattening properties
- Excellent scratch and mar resistance
- Disperses easily in solvent-borne and water-borne applications
- Especially useful in clear coats where minimal haze is required

## PHYSICAL CHARACTERISTICS\*

Appearance	Fine White Powder
Chemical Type	Wax-Treated Silica
Particle Size**, Median (Dv50-in $\mu\text{m}$ )	$\leq 6$
Density (g/cm <sup>3</sup> at 20°C (68°F))	2.0
Oil Absorption (ml/100 g)	225-285
pH Value (5% dispersion)	3

## TYPICAL APPLICATIONS

Lanco Matt 2000 is useful in a variety of applications including:

- Wood coatings
- Plastic coatings
- Varnishes
- Plastic coatings
- Stoving enamels

\* Property values represent typical results only and are not to be considered specifications.

\*\* Determined by Laser Diffraction

Based on:

- Acrylics
- Acid-catalyzed systems
- Polyesters
- 2-Pack Polyurethanes
- Acrylic and PU dispersions
- N/C and N/C combination finishes

**Incorporation:** Lanco Matt 2000 can be easily incorporated using a high speed stirrer. The processing temperature should not exceed 45 °C. High shear forces might lead to a collapse of the silica porous structure. Therefore Lanco Matt 2000 should be dispersed after eventual milling steps.

**Addition Levels:** The recommended addition level of Lanco Matt 2000 depends on the formulation and required properties. For a satin finish, an addition level of 0.5 - 5% is typically recommended, based on total formulation weight.

## SHELF LIFE/STORAGE

For shelf life information please refer to the packaging label and the Certificate of Analysis. It provides the date of manufacturing (DOM) and a recommended re-test date (RRD). The RRD for Lanco Matt 2000 is 730 days after DOM.

Store in original unopened containers between 5 and 30°C (40-86°F).

## REGULATORY STATUS

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

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The Lubrizol logo features the word "Lubrizol" in a bold, italicized, sans-serif font. A blue swoosh underline is positioned beneath the letters "i", "z", "i", and "o".

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