QUICK START GUIDE

Sancure® OM-945 and Sancure OM-933

Waterborne Oil-Modified Urethane (WB OMU) Dispersions for High-Performance Interior and Exterior Wood Finishes

Lubrizol

Waterborne polymers for high-performance contractor-applied wood floor finishes.

introduction

Sancure OM-945 and **Sancure OM-933** are aliphatic, oil-modified urethane (OMU) dispersions engineered to provide low-VOC, single-pack, self-crosslinking properties. They are ideal for interior wood finishes for the professional contractor-applied and do-it-yourself (DIY) consumer markets.

Product Description	Sancure OM-945	Sancure OM-933
Total Solids (%)	45	33
MFFT (C)	10	10
VOC (g/l)	100	90
NMP-Content (%)	2.6	1.9
Viscosity (cp)	<500	<250

features

Versatile – **Sancure OM-945** OMU dispersion is uniquely designed for higher solids at 45 percent, unlike conventional waterborne OMU technology. The higher polymer solids – combined with exceptional compatibility with colorants and pigments, including TiO_2 slurry – make this polymer suitable for water-based line-marking paints for gymnasiums and trim enamels. What's more, it also provides faster drying and recoatability.

Sancure OM-933 OMU Dispersion is supplied at lower 33 percent solids, like conventional OMUs. However, it offers much lower VOC with greater compounding ease and <250 VOC wood finishes.

One-Component, Self-Crosslinking – The polymer itself crosslinks on application and continues as it dries. As a result, wood finishes produced with Sancure oil-modified dispersions demonstrate excellent floor-wear characteristics, such as resistance to water, chemicals, alcohol and abrasion.

Sancure OM-945 and Sancure OM-933 OMU Dispersions employ proprietary Lubrizol self-crosslinking chemistry combined with oxidative curing technology to ensure a high level of durability for residential and commercial wood floor finish applications.

applications

- Commercial and residential wood floor finishes
- Brushing varnishes for wood furniture
- Exterior clear and pigmented stains for wood decks and furniture
- Specialty enamels and paints, line-marking paints for gymnasiums and sports floors

performance benefits

- Non-yellowing, one-component – oxygen crosslinking
- Low VOC formulations
- Low odor, quick dry; multiple coats per day
- Exceptional pigment compatibility
- Excellent floor-wear and household cleaner-resistance
- Easy-to-apply and water clean-up

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Handling and Storage

Packaging: 450 lb (204 kg) net weight drums to bulk quantities

Shelf-life: 12 months

Ideal Storage Conditions:
60° – 86°F (15° – 30°C)
DO NOT FREEZE.

Consult the Sancure OM-945 and Sancure OM-933 dispersions MSDS for additional information.

For further information, please contact:

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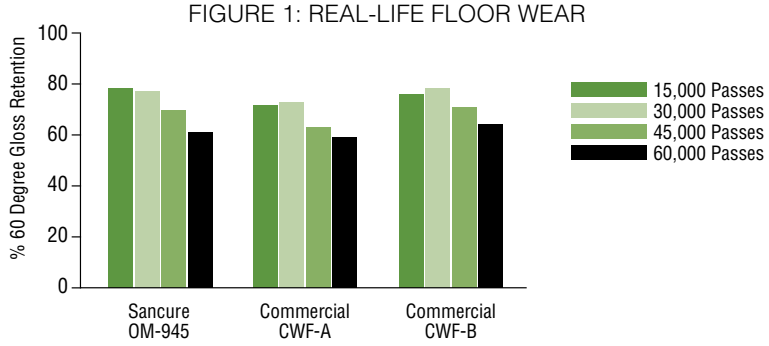
floor wear durability

Sancure® OMU dispersions show comparable gloss retention and floor-wear durability to leading commercial OMU-based wood finishes (CWF-A and CWF-B), after five-month floor-wear testing (Figure 1) with light commercial traffic.

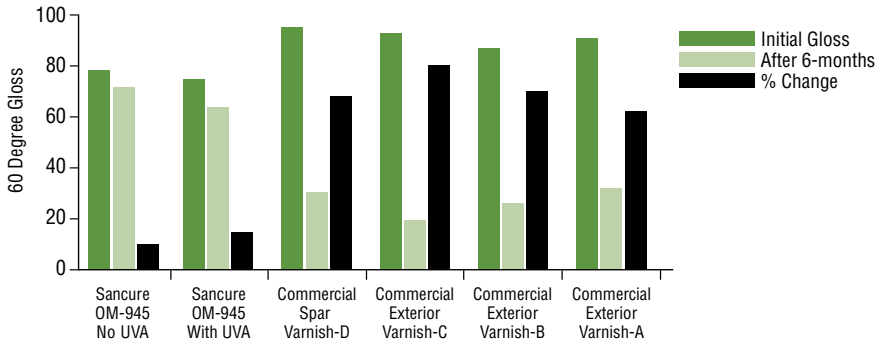
FIGURE 1: REAL-LIFE FLOOR WEAR



outdoor weathering

Sancure OMU dispersions are suitable for clear and pigmented exterior wood finishes. They provide inherent stability for color-change and gloss-retention upon exposure to natural sun light/UV radiations (Figure 2) and are resistant to mildew-growth under humid conditions.

FIGURE 2: SOUTH FLORIDA NATURAL WEATHERING (45° SOUTH)



additional literature

Please visit **www.lubrizolcoatings.com** and select the "Paint & Coatings" link for more information about **Sancure** and **Carboset®** waterborne polymers for high-performance wood finishes and coatings.

- **Technical Data Sheets** – for recommended formulations using Sancure OM-945 and Sancure OM-933 OMU dispersions in clear gloss and clear satin finishes, and comparative performance data with commercial wood finishes.
- **Material Safety Data Sheets** – for regional regulatory compliance, personal protection and storage information.

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