

DENSURF SM 135

SURFACE MODIFIER



DESCRIPTION

Densurf SM 135 is an organo-modified polysiloxane based surface modifier. It's recommended for solvent borne systems

- Decreases the surface tension of paints
- Enhances levelling and distinctness of image (DOI) of the paint film

HIGHLIGHTS

*for performance
& application*

- ✓ Enhances levelling
- ✓ Defect-free paint films
- ✓ Self-levelling properties
- ✓ Industrial paints
- ✓ Protective Coatings



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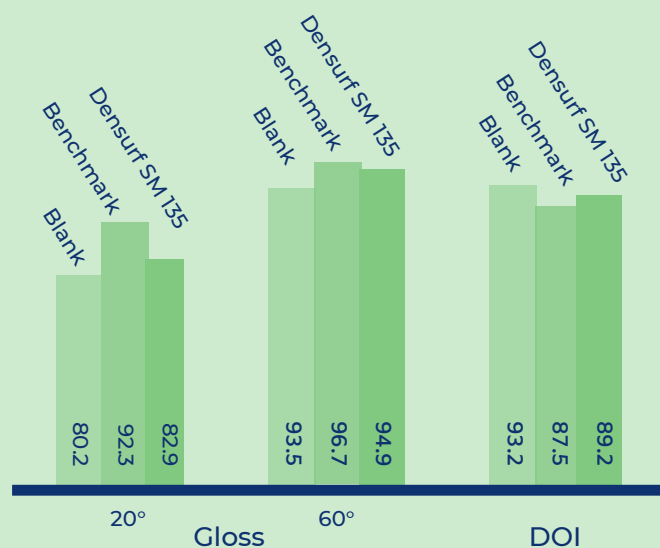
www.densurf.com

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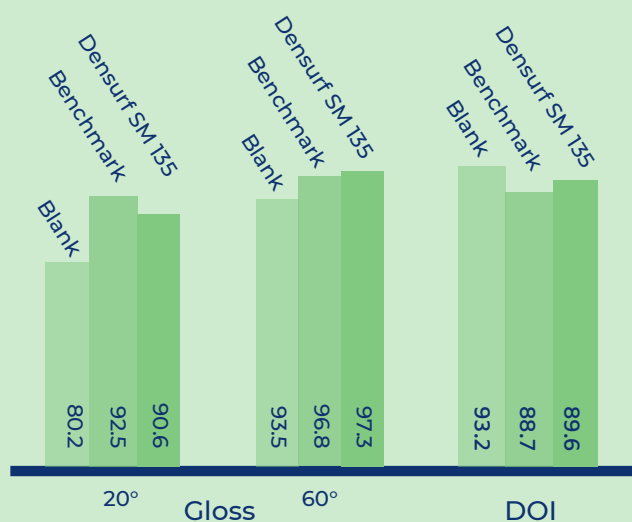
Paint defects such as orange peel formation, poor levelling and adhesion, crater generally result from surface tension difference of the paint and the substrate. Surface modifiers are used to reduce surface tension of the paint, enhance its levelling, increase DOI and avoid the defects.

In this study, 2K acrylic PU white topcoat was prepared. Densurf SM 135 and benchmark product were added to the paint with three different dosage levels at the let-down stage. Then the paint was applied to the lenata card by using a film applicator (200 μ) and paint films were cured at 80°C during 30 min. Finally, gloss and DOI levels of the cured film were measured and compared with the blank. Results are given below.

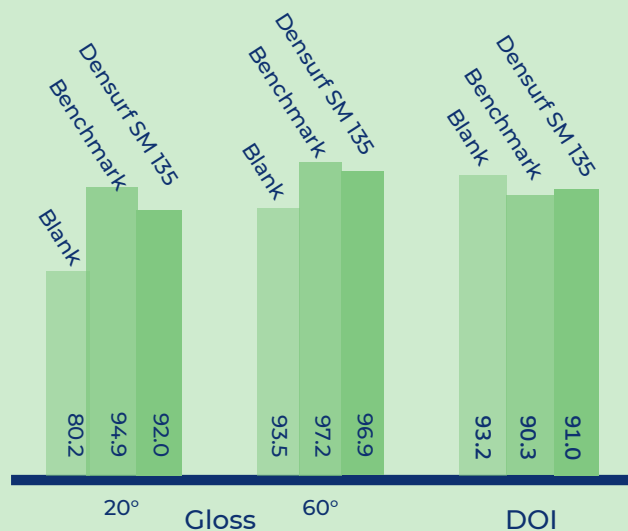
Dosage: 0.1 %



Dosage: 0.3 %



Dosage: 0.5 %



REMARKS



Increase DOI and gloss levels of PU topcoats



Perfect choice for self-levelling floorings

