



APPLICATION DATA SHEET

Lanco™ Glidd 4040

Anti-Mar Agent for Wood Coatings

GENERAL APPLICATION

Lanco Glidd 4040 is an easy to handle wax dispersion designed to enhance the synergistic effect that is created by the use of polyethylene and PTFE. Lanco Glidd 4040 does not need high shear for incorporation.

BENEFITS

Lanco Glidd 4040 provides the following benefits:

- Improved mar and scratch resistance
- Improved slip
- Minimal effect on gloss
- Easy to incorporate
- Dust free handling
- High active content

METHOD OF USE

Lanco Glidd 4040 can be easily incorporated at the let-down stage, or post-added using low speed mixers.

DOSAGE

Testing has confirmed a dosage of 0.5% to 5% of Lanco Glidd 4040 based on total formulation weight is effective.

PERFORMANCE RESULTS

Lanco Glidd 4040 is a 40% solids dispersion of Lanco TF 1778 in mineral spirits. It has minimum effect on gloss while dramatically improving mar and abrasion resistance of solvent-base polyurethane floor coatings.

Typical Properties:

Properties	Competitive PTFE Dispersion	Lanco™ Glidd 4040
Melt Point	112/320°C (259/608°F)	102/320°C (216/608°F)
Specific Gravity	1.06	0.85
Weight per Gallon	NA	7.1 lbs
% Non-volatile	100%	40%
Hegman Grind	6.5	6.5
Viscosity -Brookfield	NA	1000 – 1600 cps



Lanco Glidd 4040 was added to a commercially available solvent-base Polyurethane Floor Finish.

Test	Control – Commercial High Gloss Floor Finish	1.25% LG 4040 (0.5% wax) Addition	2.5 % LG 4040 (1.0% wax) Addition
Gloss (1)	20° - 67.8 60° - 90.9 85° - 103	20° - 62.3 60° - 87.5 85° - 95.1	20° - 55.0 60° - 84.4 85° - 90.3
Abrasion – coin (2)	2	5	8
Scratch – CSTM 109 (3) Taber 710 Multi-Finger Scratch/Mar Tester	2N – 5 severe scratch 3N – 5 severe scratch 4.5N – 5 severe scratch	2N – 1 no scratch 3N – 3 scratch 4.5N – 5 severe scratch	2N – 1 no scratch 3N – 2 minimal scratch 4.5N – 4 scratch

(1) Coating was applied to Lenetta card @ 3 mil wet film and air dried for 24 hours at 72° F before gloss readings were taken.

(2) Coating was applied to glass @ 3 mil wet film and air dried for 1 week at 72° F before abrasion or scratch testing was done. Coin used was US nickel with 20 strokes. Abrasion ratings 1 -10 with 10 being best- no mar.

(3) CSTM 109 Tabor 710 Multi-Finger Scratch/Mar Tester. Tip diameter 1.0mm scratch tips. Stylus loading level 2N, 3N, 4.5 Newton. Ratings 1 to 5. 1 = no scratch, 5 = severe scratch

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