

WCS52LF-25997BML

Technical Bulletin

The WCS52LF-25997BML Blue is a single component low friction coating developed with high engineered resin bonded with PTFE and ceramic filler.

FEATURES

- Provide low coefficient of friction.
- Superior wear /abrasion resistance.
- Good Chemicals resistance
- Superior application through various spray systems
- Excellent dry lubricant

USES

Ideal for industrial applications including Valve, Gaskets, Piston, scissors, and general machine components.

PHYSICAL CHARACTERISTICS

COLORS: Solid

RECOMMENDED DFT: 0.5-1.5 mils

Density: 8.97±0.25 lbs./gal

THEORETICAL COVERAGE AT 1 MIL DFT, NO LOSS: 395.52 sq. ft.

SOLIDS RANGE: 33.18±1.0 % by weight

VISCOSITY AT 77F (delivered): 25-35" #3 Zahn EZ

CLEANING AND PRETREATMENT

The most critical factor in any quality paint job is substrate surface preparation.

Inadequate surface preparation can result in premature coating failure.

Please consult your cleaning and pretreatment supplier for recommendations.

Substrates: 1. CRS- light grit-blasting or zinc phosphate pretreatment
2. Aluminum: Chemical etch or light grit blasting

DIRECTIONS FOR USE:

Prior to application paint containers should be thoroughly agitated.

The coating temperature should be between 65F-90F.

Viscosity reduction: if viscosity reduction needed, use 25996SST reducer- add per desired viscosity and application meet.

Application and Bake:

- DFT – 1. Apply multicoat to achieve desired dry film thickness- Flash off between coats are necessary (5'-10' at 200F-250F)
2. Full bake: 15' @450F for color and initial performances to meet
 3. For Chemical resistance- 15' @550F- color may changed
 4. For good release property- 15' @650F- color will impacted.

Cured Film Properties:

Substrate: ACT B-1000, P99; Bake time and temperature-15' @450F

Properties	Test method- Description	Test results
MEK double rub test	N/A	Pass- 50+
Pencil Hardness	ASTM D3363	2H-4H
Dry Tap Adhesion	ASTM D3359- Method B	5B
Water Immersion 96hrs	ASTM D870 Adhesion; Blisters	5B; 10 ASTMD714
Gardner Impact	ASTM D2794 Direct/In-Direct	>160 in-lb. passed

SHELF LIFE

Store unopened items in approved containers with proper labeling for up to two years. Optimal storage temperature is approximately 77F.

CLEAN UP

Clean equipment immediately after each use with NMP or 25996SST.

SAFETY PRECAUTIONS

Please read all container labels and review Safety Data Sheets prior to use.



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