

NOX-RUST® 576-055

CLEAR ACRYLIC ENAMEL ENGINE PAINT

DESCRIPTION

NOX-RUST® 576-055 is a clear acrylic enamel engine paint that is designed to provide an attractive, glossy finish. As an engine paint, it is designed for maximum heat resistance. This water-based coating deposits a thin, clear film which will protect during domestic and overseas transit and storage. The finished coating is dry and tack-free to prevent dust and dirt pick-up, and will protect finished and unfinished metal against the damaging effects of acid and solid particle fall-out during shipment. The firm film chip resistant, and helps to protect the surface from marring or scratching.

NOX-RUST® 576-055 will pass all the requirements and is approved under **General Motors Specification 998-4190**.

LABORATORY DATA

- Liquid Appearance _____
- Dry Film Color _____
- Film Type _____
- Non-Volatiles by Weight _____
- Non-Volatiles by Volume _____
- Weight per Gallon _____
- Specific Gravity _____
- Viscosity, Brookfield RV Spindle #6 at 10 rpm _____
- V.O.C. (lbs/gal minus water) _____
- Flash Point _____
- pH _____
- Dry Film Thickness _____
- Coverage (sq.ft/gal) _____
- Removal: Wet Film _____
- Removal: Dry Film _____

TYPICAL PROPERTIES

- Opaque, light-colored emulsion
- Clear
- Hard, Tack-free finish
- 27.2%
- 23.2%
- 8.75
- 1.05
- 2,250 cPs
- 1.12
- None; Water-based
- 9.5
- 6 mils (wet), 1.4 mils (dry)
- 320
- Soap and water; *20 minutes after application*
- Not intended for removal

PERFORMANCE PROPERTIES

Panels sprayed 6-8 mils wet resulting in 1-2 mils dry coating. Substrates used were 3X6 R-Type Q panels, 3X6 aluminum Q panels for humidity testing; 4X12 R-Type Q panels and 4X12 aluminum Q panels for rest of testing. Test run per GM-998-4190.

5% Salt Spray (168 Hours)

Steel	The coating turns slightly opaque. Adhesion is slightly reduced but coating remains tough. Coating has 5% corrosion, mostly on top and edges.
Aluminum	The coating turns slightly opaque. Adhesion is slightly reduced but coating remains tough. There is no evidence of corrosion on panel.

Corrosion Cycles (GM Cycle G, 10 Cycles)

Steel	After removal from salt spray, coating shows no corrosion under film. Adhesion remains excellent. Coating does not yellow nor show any other defects.
Aluminum	

High Temperature @ 250°F (4 Hours)

Steel	Coating does not flow, sag, yellow, or lose adhesion during test. The clarity and gloss of the film is not affected. A slight tack of the film is noticed. There is no staining or defect to engine coating.
Aluminum	
White Automotive Top coatings	

Gravelometer -20°C, SAE J-400

Pass. Gravelometer rating excellent.

Freeze/Thaw Cycles

4 hours @ 10°C
4 hours @ Room Temperature

Product can be frozen for one cycle and still be sprayable. After the second cycle, material viscosity is too heavy to spray. Can be diluted with water.

Q Panel Cleveland Condensation Cabinet (100 hours, 40°C)

Steel	The coating turns slightly opaque. Adhesion is slightly reduced but coating remains tough. There is no evidence of corrosion under film. Coating returns to a clear, glossy state when dry.
Aluminum	

Politic-Humidity and Thermal Cycle

Pass. Coating does not peel, lift, bloom nor show other defects.

Detergent Wash Cycle Note #5

Pass. Coating is not affected by detergent and shows no surface defects.

Tack-Free (38°C and 100°C)

Material is tack-free at 38°C 40 minutes after application. The material shows a slight tack at 100°C. If left in the oven overnight, the coating does not show.

APPLICATION

See **NOX-RUST® 576-055** application parameter instruction sheet.

DO NOT FREEZE.

Please Refer to SDS or Contact Daubert Chemical Company for Additional Information

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