



# W-1201-LMHE

## White Marine Gel Coat

### Technical Data Sheet

W-1201-LMHE is NPG® low VOC gel coat with a specially formulated resin system designed specifically for the marine application. This product meets National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing of a maximum of 33% for pigmented gel coat.

FEATURES	BENEFITS
• HAP content is a maximum of 33%	• Lower emissions in the shop
• High performance polymer	• Improved gloss retention, weather and chalk resistance
• Light stabilized	• Excellent long-term UV resistance
• High performance pigment system	• Excellent long term color retention
• Excellent application characteristics	• Minimizes equipment set-up and adjustment

LIQUID PROPERTIES	SPECIFICATIONS	TEST METHOD
Viscosity, Brookfield Model LV #4 Spindle @ 6 rpm, 77°F (25°C), cps	16000 – 26000	CRSTP-301
Thixotropic index	5.5 – 7.0	CRSTP-301
100 grams gel coat @ 77°F (25°C), catalyzed with 1.5% DDM-9 by volume* Gel Time, min:sec	18:00 – 22:00	CRSTP-340
Color tolerance, DE CIELAB (D65/10)	≤ 0.5	CRSTP-323
HAPs (Styrene + Methyl Methacrylate), %	≤ 33.0	CRSTP-329
HAPs content, lbs/gal	≤ 3.8	CRSTP-329
Non-Volatile Matter, %	67.0 – 70.0	CRSTP-329
Weight per gallon @ 77°F (25°C), lbs/gal	10.8 – 11.5	CRSTP-308
Specific gravity @ 77°F (25°C)	1.30 – 1.38	CRSTP-308

\* Gel time and reactivity will vary due to the type and concentration of a free radical initiator (peroxide), shop temperature and humidity

TYPICAL PERFORMANCE PROPERTIES	RESULTS	TEST METHOD
Film cure time @ 77°F (25°C), catalyzed with 1.5% DDM-9 by volume, min:sec	≤ 60:00	CRSTP-376
Sag resistance @ 77° F (25°C), mil of a wet film thickness	no less than 20	CRSTP-315
Opacity, mils of wet thickness	15	CRSTP-303
Material coverage (assuming no loss) @ 20 mils of a wet film thickness, ft <sup>2</sup> /gal	80.0	Calculated

**Application:** W-1201-LMHE is formulated for spraying as supplied. It is strongly recommended that the material be mixed before use. Optimum application temperature is 65°F - 90°F (18°C - 32°C). Apply in several thin, overlapping passes rather than a single heavier coat; this will help avoid porosity, solvent entrapment, and sagging. The suggested wet film thickness is 18 - 25 mils (0.45 - 0.56 mm). Brushing is not recommended.

**Storage and Handling:** W-1201-LMHE should be stored in closed, opaque containers at temperatures above 40°F (4°C) but not exceeding 77°F (25°C). Do not keep gel coat near catalyst storage areas. To avoid decomposition, keep away from direct sunlight and excess heat. Refer to the Safety Data Sheet for further details on safety and storage.

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