MAXGUARD™ LE/33LE Series Premium Gelcoat

MAXGUARD LE/33LE premium gelcoats combine advanced performance with reduced emissions. MAXGUARD LE/33LE gelcoats impart excellent cosmetics, UV resistance, and blush resistance combined with very good blister resistance and a tough surface.

Formulated with INEOS Composites's Patented Low Emission (LE) technology, MAXGUARD LE and 33LE gelcoats are designed to be low HAP and can reduce up to 50% emissions as applied, compared to standard HAP gelcoats. MAXGUARD LE and 33LE gelcoats impart excellent transfer efficiencies, easy application and sharp tapelines.

Gelcoats with the LE technology have been formulated to meet the toughest requirements set by classification societies like Lloyd's Register of Shipping and Det Norske Veritas.

Typical Liquid Properties at 25 °C[1]	Value	Unit
Viscosity, Brookfield RV4, 20 rpm	4700	cps
Thix Index, Brookfield RV4, 5/50rpm	5.5	
Geltime, 1.8% MEKP-9	17	min
HDT of gelcoat white LE base[(2)]	64	°C
HDT of gelcoat 33LE base[(2)]	62	°C

[1] Properties are typical values based on material tested in our laboratories. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.
[(2)] Post-Cure Cycle B Overnight (5 pm - 8 am) @ 60 °C (140 °F) 3 HRS @ 80 °C (176 °F) 2 HRS @ 100 °C (212 °F).

Application and use

MAXGUARD LE/33LE is a premium gelcoat for spray applications. It is recommended for use in the marine or similar industries with high demand for final product surface properties.

MAXGUARD LE/33LE Gelcoats allow lower gelcoat consumption due to improved transfer efficiency.

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	LE Technology	Standard
Styrene content	28%	39%
Spraying time	3 minutes	3 minutes
Gelcoat sprayed¤	3.0 kg	3.0 kg
Gelcoat in mold¤	2.7 kg	2.4 kg
Transfer efficiency	90%	80%
Emission when spraying¤¤	3.6%	7.0%
Total emission¤¤	6.7%	13.6%

¤ by scale measurement
¤¤ by infrared measurement

Certificates and approvals

The manufacturing, quality control and distribution of products, by INEOS Composites, are complying with one or more of the following programs or standards: ISO 9001, ISO 14001 and OHSAS 18001.

Handling and storage

DOT label: flammable. /For good working practices see INEOS Composites's "Gelcoat Handling Guide". Store gelcoats at 10-25 °C°(55-77°F) in its original container, preferably indoors and away from direct sunlight or heat sources. A high quality methyl ethyl ketone peroxide (MEKP) catalyst should be used between 1.5 - 2.5%. Gelcoats must be gently agitated before use. The commercial warranty period for this product, provided storage at recommended conditions, is 90 days from shipment.

All other conditions being equal, higher storage temperatures will reduce product stability and lower storage temperatures will extend product stability.

Notice

All information presented herein is believed to be accurate and reliable, and is solely for the user's consideration, investigation and verification. The information is not to be taken as an express or implied representation or warranty for which INEOS Composites assumes legal responsibility. Any warranties, including warranties of merchantability, fitness for use or non-infringement of intellectual property rights of third parties, are herewith expressly excluded.

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Since the user's product formulations, specific use applications and conditions of use are beyond the control of INEOS Composites, INEOS Composites makes no warranty or representation regarding the results which may be obtained by the user. It shall be the sole responsibility of the user to determine the suitability of any of the products mentioned for the user's specific application.

INEOS Composites requests that the user reads, understands and complies with the information contained herein and the current Material Safety Data Sheet.