Technical Datasheet

MAXGUARD™ LEI XG-LEI-0000 Spray Neutral Premium Gelcoat (INSTINT)/LE Techno

Maxguard XG-LEI-0000 Neutral gelcoat is a premium spray quality gelcoat base for INSTINT Colour tinting, combining advanced performance with reduced emissions. Maxguard XG-LEI-0000 gelcoat is based on a special isophthalic/NPG resin. The base resin and the gelcoat formula are optimized to give final products excellent mechanical and weathering properties.

Maxguard LEI products are featuring Ashland's patented LE technology, which provides up to 50% less VOC emissions than standard gelcoat. This means a better working environment and savings in gelcoat consumption.

Typical liquid gelcoat properties

Properties at 25 °C[1]	Value	Unit
Viscosity, Brookfield RV4, 20 rpm	6200	cps
Thixotropic Index, 5/50 rpm	6	
Geltime, 1.8% MEKP-9[2]	13	min
% Non Volatiles	63	%

[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] Registered trademark of Arkema, Inc.

Application and use

Maxguard XG-LEI-0000 Neutral is a premium gelcoat base for spray application. It is recommended for use in the marine or similar industries with high demand for final product surface properties.

Additional information

The economical advantage of using the Maxguard LEI Series spray quality gelcoat with LE Technology compared to a standard gelcoat is a 10-15% lower gelcoat consumption due to improved transfer efficiency from 80% to 90%. These results are based on scale measurement of the total gelcoat amount sprayed and the final amount of gelcoat in the mold. The results correlate well with the infrared measurements. See table.

	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%

Responsible Care*

* Registered service mark of the American Chemistry Council. ® Registered trademark and ™ trademark of Ashland Inc.
Ashland is committed to the continuous evolution of technology and service solutions that promote health, safety and environmental protection around the world.

Technical Datasheet

MAXGUARD™ LEI XG-LEI-0000 Spray Neutral Premium Gelcoat (INSTINT)/LE Techno

Total emission¤¤	6,7%	13,6%

¤ by scale measurment

¤¤ by infrared measurment

Certificates and approvals

Maxguard XG-LEI-0000 Neutral gelcoat base complies with the requirements set by classification societies like Det Norske Veritas, Lloyd's Register and Germanischer Lloyd's for building of small crafts.

The manufacturing, quality control and distribution of products, by Ashland Performance Materials, are complying with one or more of the following programs or standards: Responsible Care, ISO 9001, ISO 14001 and OHSAS 18001.

Handling and storage

For good handling and working practices, see Ashland "Gelcoat Handling Guide". DOT label: flammable. It is highly recommended that all materials are stored at 25 °C, 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 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 Ashland 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.

Since the user's product formulations, specific use applications and conditions of use are beyond the control of Ashland, Ashland 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.

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

Responsible Care*

* Registered service mark of the American Chemistry Council. ® Registered trademark and ™ trademark of Ashland Inc.
Ashland is committed to the continuous evolution of technology and service solutions that promote health, safety and environmental protection around the world.