

MAXGUARD® NP // VA6 Premium Gelcoat / LE Technology

MAXGUARD NP // A6 is a new generation of premium gelcoats combining advanced performance with reduced emissions. MAXGUARD NP // A6 gelcoat gives the final products excellent UV and blister resistance, good cosmetics and a tough surface.

MAXGUARD NP // A6 is featuring Ashland's patented LE technology, it 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 23 °C	Value	Unit	Method
Viscosity, Brookfield RV4, 100 rpm	1450	mPas	QC 2
Viscosity, Brookfield RV4, 0,5 rpm	110 000	mPas	QC 2
Film cure, 2% MEKP-50	50	min	X.Inst.GC03

Application and use

MAXGUARD NP // A6 is a premium gelcoat for spray applications and is pre-accelerated. It is recommended for use in the marine or similar industries with high demand for final product surface properties.

Note: When applying the gelcoat, the layer must be 400 to 800 microns thick, depending on the intended use of the product manufactured.

Additional information

The economical advantage of using MAXGUARD NP // A6 with LE Technology compared to a standard gelcoat is a 10-15% lower gelcoat consumption due to an increase in 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.

Measurement	LE Technology	Standard
Styrene content	28%	39%
Spraying time	3 minutes	3 minutes
Gelcoat sprayed ^α	3,0 Kg	3,0 Kg
Gelcoat in mold ^α	2,7 Kg	2,4 Kg
Transfer efficiency	90%	80%
Emission when spraying ^{αα}	3,6%	7,0%
Total emission ^{αα}	6,7%	13,6%

^α by scale measurement

^{αα} by infrared measurement



Ashland is committed to continuous evolution of technology and service solutions that promote health, safety and environmental protection around the world.

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Certificates and approvals

MAXGUARD NP // A6 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 Composite Polymers, are complying with one or more of the following programs or standards: Responsible Care, ISO 9001, ISO 14001 and OHSAS 18001 by BVQI.

Handling and storage

MAXGUARD NP // A6 is delivered in 25 kg pails and 220 kg open top drums. For good working practices, see Ashland's "Gelcoat Handling Guide". Maximum storage of gelcoat is 3 months at temperature under 25°C away from direct sunlight. The gelcoat must be gently stirred before use. Temperature of workshop, raw materials and tools should be 18 - 25°C and relative humidity below 70%. A high quality MEK peroxide should be used between 1,5 - 2,5%.

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 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 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.

More information

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