

ENGUARD® SN // VA6 Gelcoat

ENGUARD SN // VA6 gelcoat is a high quality multipurpose gelcoat, based on isophthalic acid and neopentyl glycol. The base resin and the gelcoat formula are optimized to give final products good hydrolysis and UV resistance combined with good mechanical properties.

Typical liquid gelcoat properties

Property at 23 °C	Value	Unit	Method
Viscosity, Brookfield RV4, 100 rpm	1000	mPas	QC02
Viscosity, Brookfield RV4, 0.5 rpm	80000	mPas	QC02
Geltime, 2% MEKP-50	11	min	X.Inst.GC03
Film cure	60	min	X.Inst.GC03

Application and use

ENGUARD SN // VA6 is a high quality multipurpose gelcoat for airless spray application. Due to its good hydrolysis and UV resistance combined with good mechanical properties, ENGUARD SN // VA6 gelcoat is suitable for use in the building and construction, transportation and marine industry.

Thickness of cured gelcoat layer can vary between 400-800 microns, depending on final product manufactured.

ENGUARD SN / VA6 gelcoat is the most suitable of its kind for composite materials permanently in contact with water.

It is important to remember that gelcoat quality is only one of the significant aspects in terms of osmosis due to poor resistance to hydrolysis. The following also influence the water resistance of laminated articles:

- gelcoat thickness
- quality and quantity of catalyst,
- gelcoat surface quality (porosity)
- time lapse before lamination,
- lamination quality (materials and operational methods),
- degree of hardening of the polyester when used.

Certificates and approvals

ENGUARD SN // VA6 gelcoat is approved by Lloyd's Register for construction of small crafts.

The manufacturing, quality control and distribution of products, by Ashland Composite Polymers, is 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

ENGUARD SN // VA6 gelcoat is delivered in pails, open top drums or containers.

For good working practices, see Ashland "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 80%. A high quality MEKP catalyst should be used between 1.5 - 2.5%.



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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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