

maxguard®
premium gelcoats

MAXGUARD®
PREMIUM GELCOATS

MAXGUARD® GN // S_ Premium Gelcoat (INSTINT) with selected geltime

MAXGUARD GN // S_ is a premium gelcoat for spray application. It 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 GN // S_ premium gelcoat surface is hard, glossy and tough and it is highly resistant to UV-radiation, gloss deterioration and hydrolysis.

MAXGUARD GN // S_ gelcoat is available via INSTINT Color Service in two different geltimes (A) and (C).

Typical liquid gelcoat properties

Properties at 23 °C	Value	Unit	Method
Viscosity, Brookfield RV4, 10 rpm	7000	mPas	L002
Viscosity, cone&plate	270	mPas	L004
Geltime, 2% MEKP-50 (A)	7	min	L005
Geltime, 2% MEKP-50 (C)	18	min	L005

Typical gelcoat base resin properties

Properties (postcure 24h at 50 °C)	Value	Unit	Method
Tensile strength	65	MPa	ISO 527
Tensile modulus	3500	MPa	ISO 527
Elongation at break	4,0	%	ISO 527
Flexural strength	133	MPa	ISO 178
Flexural modulus	3500	MPa	ISO 178
Heat deflection temperature (1,81 MPa)	75	°C	ISO 75 (A)
Water absorption , 28 days	75	mg/sample	ISO 62
Hardness	41	Barcol	ASTM D2583

Application and use

MAXGUARD GN // S_ is a premium gelcoat for spray applications. It is recommended for use in the sanitary, marine or similar industries with high demand of surface properties of composite products.

Certificates and approvals

MAXGUARD GN // S_ complies with the requirements set by classification societies like Det Norske Veritas, Lloyd's Register and Germanischer Lloyd's for building of small crafts.

Wash basins with Maxguard GN // S_ gelcoat surface complies with the American Thermal Shock test ANSI Z124.3-86 for sanitary applications.

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



Responsible Care*

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Handling and storage

For good handling and working practices, see Ashland "Gelcoat Handling Guide". It is highly recommended that all materials are stored at stable temperature under 25 °C preferably indoors, and away from direct sunlight. A high quality methyl ethyl ketone peroxide (MEKP) catalyst should be used between 1.5 - 2.5%. The gelcoat with the catalyst must be gently stirred before taken in use.

Shelf life of MAXGUARD GN // S_ is 5 months.

Prolonged storage or storage outside of recommended conditions can influence gelcoat liquid properties like viscosity and gel time and it is recommended to test these properties before starting application

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.



Responsible Care*

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