Technical Datasheet

INEOS Composites

ENGUARD™ 3000 Series Gelcoats General Purpose Gelcoats

ENGUARD 3000 series gelcoats are general purpose ortho/NPG gelcoats that offer very good handling properties and ambient water resistance. These gelcoats are very consistent and reliable.

- Consistent handling and application properties
- Good ambient water resistance
- Good weathering

Applications and Use

ENGUARD 3000 series gelcoats can be used in a variety of applications including sanitary ware, transportation, and general construction.

Typical Liquid Gelcoat Properties

Property(1) at 25°C (77°F)	Value	Unit
Viscosity, Brookfield RVT #4 spindle @ 20 rpm	4500	mPas (cps)
Thix Index, Brookfield RVT #4 spindle @ 5/50 rpm	6	

Typical Curing Characteristics

Curing properties have been measured using 1.8 gm MEKP-9(2) catalyst in 100 grams gelcoat.

Property(1) at 25°C (77°F)	Value	Unit
Gel Time	19	minutes

(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 Norac, Inc.

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Certificates and Approvals	The manufacturing, quality control and distribution of products, by INEOS Composites, comply with one or more of the following programs or standards: ISO 9001, ISO 14001 and OHSAS 18001 by .
Standard Package	Non-Returnable Drum with Net Weight of Kgs (Lbs) DOT Label Requirement: Flammable Liquid
Storage	For good working practices, see INEOS Composites's "Gelcoat Handling Guide." Store gelcoats between 10-25°C (50-77°F) in a closed, opaque container. Do not leave gelcoat on a mold overnight or over a weekend without laminating on it. Temperature of workshop, raw materials and tools should be 18-25°C (64-77°F) and relative humidity below 70%. Storage life decreases with increasing storage temperature. Avoid exposure to heat sources such as direct sunlight or steam pipes. To avoid contamination of product with water, do not store outdoors. Keep containers sealed to prevent moisture pick-up and monomer loss. Mild mixing is recommended after prolonged storage. Rotate stock. The commercial warranty period 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. 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

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contained herein and the current Material Safety Data Sheet.