

Technical Datasheet



ENGUARD™ SA // AFMV9 Topcoat for Swimming Pools

ENGUARD SA // AFMV9 gelcoat is a high quality topcoat designed for use in swimming pool production by "in situ" application, based on isophthalic acid and neopentyl glycol. The base resin and the gelcoat formula are optimized to give final products a hard and strong surface with good hydrolysis resistance.

Typical liquid gelcoat properties

Property at 23 °C	Value	Unit	Method
Viscosity, Brookfield RV4, 100 rpm	2000	mPas	QC 2
Viscosity, Brookfield RV4, 0,5 rpm	130000	mPas	QC 2
Geltime, 2% MEKP-50	18	min	X.Inst.GC02

Application and use

ENGUARD SA // AFMV9 is a high quality topcoat pre-accelerated for brush application.

To achieve the best final surface properties it is recommended to apply a cured gelcoat thickness of 600-800 microns.

This type of product is only recommended for light colors.

Note: FRP swimming pools are complicated / demanding constructions built of different products like gelcoat, resin, glassfiber, peroxide etc., and it is of highest importance that all components are of high quality. Also application, either it is spraying or brushing and working environment and conditions play a vital role in achieving the best result. Gelcoat user should verify that final properties of the swimming pool match the requested specifications.

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Certificates and approvals	The manufacturing, quality control and distribution of products, by INEOS Composites, are complying with one or more of the following programs or standards: ISO 9001, ISO 14001 and OHSAS 18001 by .
Handling and storage	<p>For good working practices, see INEOS Composites "Gelcoat Handling Guide". Store the gelcoat at temperature below 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%.</p> <p>The material should be used within 5 months from the date of manufacture.</p>
Notice	<p>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.</p> <p>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.</p> <p>INEOS Composites requests that the user reads, understands and complies with the information contained herein and the current Material Safety Data Sheet.</p>