

Polijel Topcoat F-210-ALM A-1318 White

Performance topcoat

Product Description

Polijel Topcoat F-210-ALM A-1318 White (RAL 9003) is an isophthalic, pre-accelerated topcoat. Polijel Topcoat F-210-ALM A-1318 White (RAL 9003) contains paraffin in the formulation to provide an efficient surface cure with a thin paraffin film formation. Sanding and polishing is a must for a shiny and smooth surface. Polijel Topcoat 210 is formulated for repair proposes of GRP parts and also coating them. Polijel Topcoat F-210-ALM A-1318 White (RAL 9003) has good chemical and UV resistance and also flexibility.

Highlights

- Isophthalic base resin, includes paraffin
- High UV and atmospheric weathering resistance
- High chemical resistance
- High thermal shock resistance
- Special topcoat formulation for repair purposes

Key Features

Base	Isophthalic
Appearance	A-1318 White (RAL 9003)
Versions	Polijel Topcoat P-210-ALM (Spray type), Polijel Topcoat F-210-ALM (Brush type),
Accelerator	Yes

Typical Liquid Properties

Specification	Value	Value	Unit	Test Method
	Polijel Topcoat P-210-ALM A-1318 White (RAL 9003)	Polijel Topcoat F-210-ALM A-1318 White (RAL 9003)		
	Spray Type	Brush Type		
Viscosity ¹	2200-2800	4500-7500	ISO 2555	ISO 2555
Thixotropy	Thixotropic	Thixotropic	-	-
Gel Time ²	8-20	9-17	ISO 2535	ISO 2535
Shelf life ³	6	6	-	-

Remarks

¹ Viscosity measured at 23°C with Brookfield DV-III Rheometer (Spray type spindle 4, Brush type spindle 6, 50 rpm).

² Gel time measured at 23°C with 1 ml. Mek-P (Butanox M 60 - 9,9 % Active oxygen) added to 100 gr. gelcoat.

³ Please read the storage conditions.

Customer Support
<http://www.poliya.com/en/>
 Firuzköy Bulvarı, No: 46 Avcılar 34325
 İstanbul, Turkey
 T + 90(212) 509 31 90
 F +90 (212) 509 31 94

Document Version:
R 1.0_Polijel Topcoat F-210-ALM A-1318 White-12.02.2021



Application and Use

Poliyel Topcoat 210 topcoat has brush and spray types, please choose the suitable one for your application. Mix well before use, avoid high mixing speeds and over mixing. Peroxide ratio should not be higher than 2%, and should not be lower than 1%. Gelcoat wet film thickness should be 600-800 microns to obtain good performance. Dry/cure time of gel coat depends on wet film thickness, peroxide ratio, application temperature, humidity. It is strongly recommended that gel time to be tested in the customer's plant before production.

Mechanical Properties

Cured Resin Values

Property	Value	Unit	Test Method
Heat Deflection Temperature HDT	79	°C	ISO 75-A
Heat Deflection Temperature HDT	90	°C	ISO 75-B
Water Absorption	0.14	%	ISO 0062
Barcol Hardness (Barcol 934-1)	45	-	ASTM-D 2583
Flexural Strength	143	MPa	ISO 0178
Elongation at Break, Flexural	4.4	%	ISO 0178
Tensile Strength	60	MPa	ISO 0527
Elongation at Break, Tensile	2	%	ISO 0527

Remarks

As mentioned above data is valid base resin,
Before the mechanical tests, the cured resin is post - cured.

Handling and Storage Conditions

The product should be stored indoors in the original, unopened, damage free packaging, in a dry place at temperatures under 23°C. If the resin temperature falls below 18°C it should be warmed up to a minimum of 18°C before use. Storage and handling of flammable liquids is subject to national or local regulations so always ensure that storage complies with those regulations. Shelf life is reduced at higher temperatures and the properties of the resin might change with increased time of storage.

The shelf life of styrene containing unsaturated polyesters will be significantly reduced when exposed to light. Store in dark and in 100 % light tight containers only.

Avoid contact with food or drinks. Avoid conditions that could cause static electric discharge. Use only in well - ventilated areas. Keep away from open heat, flame and sparks. Avoid contact with eyes, skin or clothing. Do not spill on the environment. Dispose of contents and container according to local, regional and national regulations. Use personal protective equipment during use. Always keep the container closed. Prevent contact with vapors by providing sufficient ventilation of the working area, and by using approved respiratory protection. Ensure that dust from finishing operations is kept under control by collection devices and by effective ventilation.

Empty packagings are subject to same classification as the product.

A Material Safety Data Sheet of this product is available on request.

Legal Disclaimer

Information in this document is subject to change without notice. This document is for informational purpose only and provided "as is" without warranty of any kind, whether express or implied, including but not limited to the implied warranties of merchantability, fitness for particular purpose, and non - infringement. Buyer must determine for himself, by preliminary tests or otherwise, the suitability of these products for his purposes. Poliija assumes no responsibility for editorial errors or omissions in this document.

Warning

This product can expose you to styrene, which is known to the state of California to cause cancer. For more information, visit www.p65warnings.ca.gov

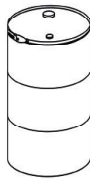
Packaging



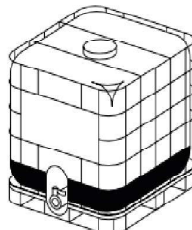
5 kg
Mini Bucket
Ø16x25cm



20 kg
Bucket
Ø30x38cm



220 kg
Openhead Barrel
Ø60x88cm



1.000 kg
IBC
121x101x117cm