

GEL COAT 181 BRUSH

Product Description

The GELCOAT 181 is a thixotropic and accelerated polyester product formulated with isophthalic resin. It is recommended for brush quality applications. It has a good resistance to hydrolysis, UV, and mechanical properties. This gelcoat is recommended for general purpose.

Physical Properties of Uncured Gelcoat (SV version)

Brookfield Viscosity 23°C-sp6-Poise- 5rpm	ISO 2555	300 - 340
Specific gravity at 23°C	ICON012	1.18 - 1.35
Solid Content - %	ICON003	66 - 72
Storage stability 20°C- months	-	3

Reactivity

Gel Time at 23°C 2 % MEKP (M50) on 100g-minutes	ICON002	10
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Versions

Spray Version	188
Version neutral tinting Base	HV-10
Waxed Version	TOP COAT
Internal Release Agent	D
Abrasion Resistance	HRA

Viscosity & Gel time versions available

	NA	06	10	15	25
LV	X	✓	✓	X	X
SV	✓	✓	✓	✓	✓
HV	X	✓	✓	✓	✓

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Mechanical Properties of cured gel coat*

Elongation at Break	ISO 527	1.7 %
Temperature of deflection under load-HDT	ISO 75-2	66°C
Barcol Hardness	ASTM 2583	40-45

* To catalyze at 2% of MEKP- post-cured 3h@80°C

Application & Specificities

Recommendations before use	Application temperature between 18-25°C. Homogenize the product.
Recommendations during use	1,25 - 2,5% Methyl Ethyl Ketone (MEKP). Mix the catalyst well.
Thickness	Apply 600-800µm of wet. Avoid excess thickness.
Colours available	RAL & Specific Countertypes.
Post Curing	24h at room temperature (16-20°C) then 16h at 40°C for optimal properties.

Stockage

<p>The product must be stored in its original closed packaging at a temperature between 15°C and 25°C, away from direct sunlight.</p> <p>It is the responsibility of the customer to ensure that the product is used in good conditions before the use by date mentioned on the keg.</p> <p>The product is subject to the Highly Flammable Liquids Regulations.</p> <p>Please follow the MSDS of this product in order to make sure the operators wear the appropriate personal protective equipment during usage of the product.</p>

All these results were obtained from our internal laboratory tests. Results given in this document are indicative and, to the best of our knowledge, are reliable but cannot be taken as liability. We cannot endorse any responsibility for parts manufactured with this product.