

# GEL COAT 199 SPRAY

## Product Description

The GELCOAT 199 is a thixotropic and accelerated polyester product formulated with Iso NPG resin. It is recommended for applications which require fire-retardant classification. This gel coat is halogen free and has a good resistance to hydrolysis and UV.

## Certificates

<b>M2F1</b> (4.5 mm)	NF16-101	NORESTER 056/113
<b>V0-UL94</b> (6mm)	NF60695-11-10 :13	NORESTER 056/113
<b>M2F1</b> (4mm)	NF16-101	NORESTER 895
<b>CLASS 2</b> (4.4mm)	BS476-7	NORESTER 895
<b>HL1 R1-R7-R17</b> (4mm)	EN45545	NORESTER 880/2

## Physical Properties of Uncured Gelcoat (SV version)

Brookfield Viscosity 23°C-sp5-Poise- 5rpm	ISO 2555	140-180
Specific gravity at 23°C	ICON012	1.25 - 1.41
Solid Content - %	ICON003	67-69
Storage stability 20°C- months	-	4

## Reactivity

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

Brush Version	199
Waxed Version	TOP COAT
Internal Release Agent	D
Abrasion Resistance	HRA

## Viscosity & Gel time versions available

	NA	06	10	15	25
<b>LV</b>	X	X	X	X	X
<b>SV</b>	√	√	√	√	√
<b>HV</b>	X	X	X	X	X

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## Mechanical Properties of cast gel coat\*

Elongation at Break	ISO 527	1,2 %
Flexural Modulus	ISO 178	4,2 GPa
Flexural Strength	ISO 178	60 MPa
Heat Distortion Temperature -HDT	ISO 75-2	65°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 500-600 µm of wet. Avoid excess thickness.
Colours available	Consult technical service. Gloss is lower than a standard polyester gelcoat.
Post Curing	24h at room temperature (16-20°C) then 16h at 40°C for optimal properties.
Certificates	The gelcoat is classified according to the certificates named above and according to the application in our laboratory. It is the customer's responsibility to ensure that their moulding is properly classified.

## Storage

<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>
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*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.*