

## 1- CHARACTERISTICS

Gel coat **GC 207** is based on a vinylester resin. Gel coat suitable for mould making.

Gel coat **GC 207** is thixotropic and pre-accelerated. Formulated for spray application.

- ◆ Good handle ability.
- ◆ High quality with very good mechanical properties.
- ◆ High brightness.

High temperature and high chemical resistances make **GC 207** very good for mould making, especially for RTM moulds.

## 2- PROPERTIES OF LIQUID GEL COAT

<u>Brookfield viscosity</u> (ISO2555 - 20°C – sp5 )	5 rpm 17000 mPa.s 50 rpm 2500 mPa.s
<u>Specific gravity</u> (ICON 012)	1.22 g/cm <sup>3</sup>
<u>Non volatile content</u> (ICON 003)	60%
<u>Geltime</u> (ICON 002) (20°C – 2% MEKP in 100g)	10 minutes

## 3- PROPERTIES OF CAST GEL COAT

<u>Flexural strength</u> ( ISO 178)	149,6 MPa
<u>Flexural modulus</u> ( ISO 178)	8,3 GPa
<u>Tensile strength</u> ( ISO 527)	120 MPa
<u>Elongation at break</u> (ISO 527)	3 - 4%
<u>Temperature of deflection under Load (HDT)</u> (ISO 75-3)	140°C
<u>Barcol hardness</u>	45

## 4- VERSIONS

Gel coat **GC 207** is available in colours as follow: blue 5900, green 6900, black 9900 or clear 9901.

Exists in brush version : **GC 206**

## 5- APPLICATION ADVICES

- ◆ Mix the peroxide well, never put under 1% or over 3%.
- ◆ Put 0.4 to 0.5 mm thickness of gel coat (about 500 g/m<sup>2</sup>). Avoid excess thickness especially in angles. We recommend the application of several thin layers rather than a thick one.

## 6- POST-CURING

To obtain optimum mechanical properties, it is necessary to post cure the laminate 24 hours at ambient temperature, 16 hours at 40°C. It is recommend to make the post-cure immediately after the laminate has been finished.

## 7- PACKAGING

Gel coat **GC 207** is available in cans of 5 - 25kg.

## 8- STORAGE CONDITIONS

Minimum storage life : 3 months

The gel coat is subject to the Highly Flammable Liquids Regulations. The product should be stored under cool conditions in closed opaque containers at a temperature not exceeding 25°C. Avoid exposure to heat sources such as direct sunlight.

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