1 CHARACTERISTICS

Gel coat **GC 195** is based on a NEOPENTYL-GLYCOL isophtalic polyester resin. Recommended for sanitary applications and produce pieces in chemical industry.

- **Gel coat GC 195 is certified LLOYDS.**
- Thixotropic and pre-accelerated.
- Formulated for airless application.
- Freedom from drainage on inclined surfaces.
- High quality, good water resistance (hot and cold), good chemical and temperature resistance (thermal choc).
- Good Weathering and UV resistance.

2 PROPERTIES OF LIQUID GEL COAT

Brookfield viscosity (ISO 2555 - 23°C - sp5)	5 rpm : 140 - 180 Poise 50 rpm : 22 - 26 Poise
Specific gravity (ICON 012)	1.10 - 1.22 g/cm^3
Non volatile content (ICON 003)	62%
Geltime (ICON 002) (23°C - 2% MEKP on 100 g)	7 - 11 minutes

3 MECHANICAL PROPERTIES OF CAST GEL COAT

Flexural strength* (ISO 178)	113 MPa
Flexural modulus* (ISO 178)	3.2 GPa
Tensile strength* (ISO 527)	63 MPa
Elongation at break* (ISO 527)	4%
Temperature of deflection under load* (HDT) (ISO 75-3)	95°C
Barcol hardness*	45

*Mechanical tests realized on the **GC 195 CLEAR**. The samples are post cured 24 hours at room temperature and 16 hours at 40°C.

4 VERSIONS

GC 195 is available in all colours. Please contact our technical service to know the feasibility of the coloured wished.

Versions with the same characteristics:

	GF 195	GL 195	GC 195 EXPORT
Description	**Top coat**	**Stabilized UV**	**Export**

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*All of the results have been obtained during the tests in our laboratory. However, we can't be held responsible of manufactured parts with the gel coat **GC 195**, if the specified application conditions are not properly followed. It is imperative that the user also ensures that his application and his process are appropriate for this product to be used. We guaranty the conformity of our products with the above specifications. We cannot be held responsible for any damage caused by misuse of this product or use of the product for an application not occurred in this data sheet.*

Versions with different characteristics:

	GR 195	GLR 195 9902
Description	**Promoted**	**Promoted and UV stabilized**
Brookfield viscosity (ISO 2555 - 23°C)	5 rpm : 140 - 160 Poise 50 rpm : 22 - 26 Poise	5 rpm : 140 - 200 Poise 50 rpm : 22 - 28 Poise
Gel time (ICON 002) (23°C - 2% PMEC M50 sur 100 g)	6 - 8 minutes	5 - 7 minutes

The gel coat **GC 195** is available in brush version: **GC 194** (See technical data sheet).

5 RECOMMENDATIONS BEFORE USE

- Mix the peroxide well, never put under 1.25% or over 2.5%.
- Gel coat is ready to use, stir the gel coat each time before use to give a homogeneous product.
- It is formulated to give good characteristics of application with AIRLESS project and spray gun at gravity with a nozzle of 2,8 mm.
- Put 0,6 to 0,8 mm thickness of wet gel coat.
- Avoid thickness especially in angles. We recommend the application of several thin layers rather than a thick one.

6 POST CURING

To obtain optimum resistance properties, the laminate with the gel coat **GC 195** must be post-curing. In order to accelerate the hardening, the laminate stays at ambient temperature (16 à 20 °C) during 24 hours followed a post-curing of 16 hours at 40°C. We advise to do a post-curing immediately after ripening period to obtain optimums results.

7 PACKAGING

Available in kegs of 25 kg or drums of 225 kg.

8 STORAGE CONDITIONS AND HANDLING

Storage life: Gel coat **GC 195** is stable for 3 months from date of production. The product must be stored in original closed packaging at a temperature between 15°C and 25°C, away from direct sunlight.

It is the responsibility of the customer to assure that the product is used in good conditions overall before the date limitation mentioned on the keg.

The gel coat is subject to the Highly Flammable Liquids Regulations. Please follow the MSDS of this product in order to prevent the operator risks incurred during the application and to use the appropriate prevention means.

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