



## 1 CHARACTERISTICS

The gel coat **GC 795** is formulated with polyester ISO-NPG resin and recommended for the production of parts in contact with water (boat building industry, swimming pool, sanitary).

- **GC 795** is pre accelerated, cures at ambient temperature with addition of a MEKP catalyst.
- **GC 795** is formulated of airless application.
- No drainage on inclined or vertical surfaces.
- Very good resistance to hydrolysis, chlorine, UV, and thermal shock
- **GC 795** is certified no proliferation bacteria according to the test method JIS Z 2801:2010 under the reference **GC 795 AB**.

## 2 PROPERTIES OF LIQUID GEL COAT

|  |   |
|--|---|
| Viscosity Brookfield<br>(ISO 2555 - 23°C - sp5)          | 5 rpm : 170 - 230 Poise<br>50 rpm : 29 - 35 Poise |
| Gel time<br>(ICON 002)<br>(23°C - 2% PMEC M50 sur 100 g) | 12 - 16 minutes                                   |
| Specific gravity<br>(ICON 012)                           | 1.1 - 1.3 g/cm <sup>3</sup>                       |
| Non content volatile<br>(ICON 003)                       | 60 - 64%  |

## 3 PROPERTIES OF CAST RESIN

|  |         |
|--|---------|
| Elongation at break<br>(ISO 527)                       | 3.5%    |
| Barcol hardness  | 40 - 45 |
| Temperature of deflection under load (HDT)<br>(ISO 75) | 94.4°C  |

## 4 VERSIONS

The gel coat **GC 795** is available in all colours. Though we do not recommend the use of **GC 795** in dark tones because the hydrolysis resistance is less performing. Please consult our technical department for more information.

Versions with the same characteristics:

|             |              |                           |
|-------------|--------------|---------------------------|
|             | <b>GF795</b> | <b>GC795AB</b>            |
| Description | Top coat     | no proliferation bacteria |

### **IMPORTANT**

*All tests results presented in this technical data sheet have been obtained in our laboratory. We can't be held responsible of manufactured parts with the gel coat **GC 795**, 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 specified in this data sheet.*



Versions with different characteristics:

|   | <b>GC795PR</b>                   | <b>GC795LGT</b>                  | <b>GC795BV</b>                   | <b>GC795TH</b>                   |
|---|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Description   | Promotorised                     | Long gel time                    | Low viscosity                    | Hight viscosity                  |
| Viscosity Brookfield<br>(ISO 2555 - 23°C - sp5)           | 170 - 230 Poise<br>29 - 35 Poise | 170 - 230 Poise<br>29 - 35 Poise | 130 - 170 Poise<br>23 - 27 Poise | 210 - 250 Poise<br>33 - 37 Poise |
| Gel time<br>(ICON 002)<br>(23°C - 2% P MEC M50 sur 100 g) | 6 – 10 min                       | 21 – 29 min                      | 12 – 16 min                      | 12 – 16 min                      |

The gel coat **GC 795** is available in brush version: **GP 795** (See technical data sheet).

## **5 APPLICATION ADVICES**

- The gel coat **GC 795** was formulated to enable its application with AIRLESS machines.
- We recommend to check the film thickness; 600 - 800 µm dry in several thin and continue layers. Three layers of 150 - 200 µm enable to limit the porosity and to obtain an optimal film thickness.

## **6 PACKAGING**

The gel coat **GC 795** is available in kegs of 25 kg and in drums of 225 kg.

## **7 STORAGE CONDITIONS AND HANDLING**

Storage life: Gel coat **GC 795** is stable for 4 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.

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