

ICOM GELCOAT 897 IG SPRAY

DEFINITIONS

ICOM Gelcoat 897 IG Spray is based on an Isophthalic resin. The gel coat is suitable for good quality applications.

CHARACTERISTICS

Thixotropic, pre-accelerated gel coat.

ICOM Gelcoat 897 IG Spray can be cured at ambient temperature with the addition of a MEKP catalyst (type Butanox M50)

No porosity.

Good handle ability and coverage.

Application with a cup gun (nozzle 2.5 to 2.8 and pressure 3 bars)

Application Airless machine (nozzle 18-40 (GLASSCRAFT) and pressure 3 bars)

PROPERTIES OF LIQUID GEL COAT

| | |
|--|--|
| Brookfield viscosity (ISO2555 - 20 °C - sp5) | 5 rpm 170 +/- 30 cps 50 rpm 25 +/-3 cps |
| Specific gravity (ICON 012) | 1.15 +/-0.02 g/cm3 |
| Non volatile content (ICON 003) | 59 +/-2 % |
| Geltime (ICON 002) (20 °C - 2% MEKP on 100 gr. | 12 +/-2 minutes |

| | |
|---|-----------|
| Elongation at break (ISO 527) | 2.751 % |
| Flexural strength (ISO 178) | 78.2 MPa |
| Flexural modulus (ISO 178) | 2.979 GPa |
| Tensile strength (ISO 527) | 42.55 MPa |
| Barcol after 24H (1 mat 100 gm + 2 mats 300gm) | 40 |

ICOM GELCOAT 897 IG SPRAY

VERSIONS

ICOM Gelcoat 897 IG Spray is available in all colours.

APPLICATION ADVICES

Mix well before use.

To obtain an optimal polymerization, the amount of catalyst should be between 1 % and 2 % according to the size of the part to be made and to the type of application (airless machine or cup gun).

Spray with several fine layers to obtain the best film evenness. (Total recommended thickness of 500 to 600 microns).

Avoid excess thickness especially in angles. We recommend the application of application of several thin layers rather than a thick one.

POST-CURING

To obtain optimum properties of **ICOM Gelcoat 897 IG Spray**, it is necessary to fully cure the laminate (GC and resin). The laminate must stay at ambient temperature for 24 hours, then, we advise to post-cure for 16 hours at 40 °C. This post-curing must be done immediately after the initial cure.

PACKAGING

Available in cans of 25 kg

STORAGE CONDITIONS AND HANDLING

Shelf life: 3 months

ICOM Gelcoat 897 IG Spray is subject to the Highly Flammable Liquids Regulations. The resin 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.

A safety data sheet is available on request.

06/2016

All information is given, based upon our best knowledge, but without liability to us. Data has been obtained by laboratory experiments made by our supplier. Since the condition under which the product is consumed is outside of our control, the product should be tested before use.