

GELGRAPH GEL COAT ISO AIRLESS

V02 26/06/25

1. DESCRIPTION

Gelgraph Gel Coat ISO Airless is a gel coat based on isophthalic unsaturated polyester NPG with graphene, designed for industrial and high performance applications. Its advanced formulation provides high mechanical, chemical and weather resistance, excelling in applications where durability and protection are required.

2. PROPERTIES

- Excellent chemical resistance: withstands exposure to aggressive environments.
- Excellent mechanical resistance: provides a hard and tough coating.
- Adapted viscosity: allows application by brush, roller or spray (airless).
- Thermal resistance: good stability at high temperatures.
- High resistance to UV, hydrolysis and ageing.
- Excellent adhesion and flexibility.
- Low loss of mechanical properties at high temperatures.

3. APPLICATIONS

- Marine industry: coatings for boats and marine structures.
- Automotive industry: durable and impact resistant finishes.
- Industrial coatings: surface protection in aggressive environments.
- Glass fibre reinforced polyester moulds and parts.
- Use for finishing shower trays.

4. TECHNICAL CHARACTERISTICS

Aspect	White
Exothermic peak temperature	120 - 175 °C
Gel time (25 °C) ⁽¹⁾	4 - 15 min
Barcol hardness	> 65
Viscosity (200 rpm; SPL4)	1 500 - 2 000

(1) 100 Gel Coat + 0,225 g Co(6 %) + 1,2 % MEK

5. STORAGE AND PACKAGING

Flexural modulus	6 200 - 7 200 MPa
Flexural strength	45 - 60 MPa
Maximum deflection (dL)	0,65 - 0,85 mm
Tensile modulus	4 500 - 5 000 MPa
Tensile strength	25 - 35 MPa
Elongation at break	0,55 - 0,75 mm

Mechanical properties of the catalysed Gel Coat.

6. STORAGE AND PACKAGING

- The product should be **stored in a dry place** at a temperature not exceeding **25 °C**.
- The expiry date is **6 months** under these conditions.
- In general, the products will be supplied in **cans and drums**.
- For other quantities and/or packaging: **contact us**.