

SILICONES and more

Characteristics

- High mechanical properties
- High inherent shine
- Durable gloss retention
- Easy to process

Gelcoat Premium ISO NPG

Do not forget to order the MEKP hardener (1.5 -2%)

A polyester gelcoat is used as the first layer of polyester resin in a laminate and ensures good adhesion and waterproofness.

After hardening, this gelcoat is resistant to water and temperature changes.

This Premium variant is very suitable for salt water and water with chlorine! This makes this polyester resin suitable for swimming pools and boat building.

Polyester gelcoat is available in many RAL colors.

We have the most standard colors in stock. Other RAL colors are available within 1 working day.

Further features:

High mechanical properties

High inherent shine

Durable gloss retention

Easy to process

Technical data:

- Mixing ratio weight (100 grams at 20 ° C): 100: 2 (1.5 to 2% MEKP hardener.)
- Processing time: 20 minutes
- Styren content: 30% +/- 2%
- Gel time: 20-30 minutes
- Viscosity: 200-250 cSt
- Density: $1.30 \pm 0.05 \text{ g / cm}^3$
- Barcol hardness: 38-40
- Exothermal peak time: 45-65 minutes
- Exothermal peak: Fig $100 \text{ ° C} \pm 20\text{°C}$
- Tensile strength (ISO 527 - 1/2 - 1993): 60 MPa
- Tensile modulus (ISO 527 - 1/2 - 1993): 3300 MPa
- Flexural strength (ISO 178-1993): 125 MPa
- Flexural modulus (ISO 178 - 1993): 3725 MPa
- Elongation at break(ISO 527-1 / 2-1993): 2.1%
- Heat Distortion Temperature (ASTM D 2583-87): 92°C
- Color wenn not colored with a dye: Natural / light pink sheen

Processing:

This product should be used at a temperature between 15°C and 30°C (workshop, product, mold) with humidity below 80%.

Normally, a gelcoat is applied in a layer thickness of 0.3 - 0.5 mm. Make sure the gelcoat does not run. The structure of the gelcoat is determined by the way of application. Brush, roller or spray will produce a different texture.

The gelcoat can be laminated after 60 minutes at 20 ° C. Ideally, you should start laminating over the gelcoat within 3 to 8 hours of applying the gelcoat. Waiting longer can weaken the bond. Before laminating, make sure that the gelcoat does not get dirty and / or dusty, nor is it too hot or exposed to direct sunlight.

No thinning is necessary. In extreme cases however, this may be done:

- Use a maximum of 6% acetone or 7% styrene for spraying.
- Use a maximum of 5% thinner for brush application as too much thinning can make the polyester porous.

After adding and mixing a color to 1 of the components, let it rest for 20 minutes before mixing with the other component. This is to reduce air bubbles.

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Shelf life

Store below 20°C. With proper storage (tightly closed, dark and cool but never too cold) can be kept for at least 6 months.

Safety

- Always work in a well-ventilated area. Use an organic gas mask in less well-ventilated areas or with larger quantities or with frequent use.
- Use liquid-tight nitrile gloves and splash goggles.
- Do not smoke or eat while using and handling this product.
- Wash hands well after use.
- For large quantities also wear an apron or wear everywhere.
- In case of contact with skin, wash thoroughly with soap
- In case of contact with eyes, rinse immediately with plenty of water (a few minutes).
- If complaints persist, consult a doctor and take the safety data sheet with you!

Use and/or do:

