

# SILICONES

## and more

### Characteristics

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

### Topcoat Premium ISO-NPG

This polyester topcoat resin can be used for swimming pools.

**Do not forget to order the MEKP hardener (1.5-2%): [CLICK HERE](#)**

This polyester topcoat is used as a finishing layer for a polyester project such as a polyester laminate or a polyester coating where resistance to water, chlorine, salt and other chemicals is important.

Examples are the finishing layer of molds and plugs that release well and the top layer of artworks for outdoor use, swimming pools and laminate projects for automotive and marine construction.

Due to the high resistance to osmosis, this topcoat is well resistant to water and temperature changes after curing.

#### 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  $100 \text{ }^\circ\text{C} \pm 20^\circ\text{C}$
- 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 topcoat is applied in a layer thickness of 0.3 mm. Make sure the topcoat does not run. The structure of the topcoat is determined by the way of application. Brush, roller or spray will produce a different texture.

The end result will always be a satin gloss. It is possible to polish the topcoat afterwards to a high gloss result.

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.

#### Use and/or do:



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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:

