

### Characteristics

- Food grade
- Good resistance against osmosis
- Low VOC
- Easy to use

### Topcoat Universal ISO – Transparent

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

This polyester topcoat is used as a finishing layer for a polyester project such as a polyester laminate or a polyester coating. Examples are the finish layer of molds and plugs that release well and the top layer of artworks and laminate projects for automotive and marine construction.

After curing, this topcoat is very resistant to water and temperature changes.

This topcoat is suitable for ponds, but we do not recommend it for swimming pool water or water to which chemicals have been added such as aquariums. You can find a topcoat for swimming pools and aquariums under the name: [Topcoat Premium ISO-NPG](#)

This polyester topcoat is suitable for food contact but should not be used to make food cutting boards out of.

#### Technical data:

- Mixing ratio in weight (100 grams at 20 ° C): 100: 2 (1.5 to 2% MEKP hardener.)
- Processing time: 20 minutes
- Gel time: 20-30 minutes
- Viscosity: 300-400 cSt
- Density:  $1.30 \pm 0.05 \text{ g / cm}^3$
- Barcol hardness: 38-40
- Coverage power: > 400 $\mu$
- Exothermal peak time: 34-55 minutes
- Exothermal peak: Fig  $130^\circ \text{C} \pm 20^\circ \text{C}$
- Tensile strength (ISO 527 - 1/2 - 1993): 80 MPa
- Tensile modulus (ISO 527 - 1/2 - 1993): 3300 MPa
- Flexural strength (ISO 178-1993): 130 MPa
- Flexural modulus (ISO 178 - 1993): 3400 MPa
- Elongation at break (ISO 527-1 / 2-1993): 4%
- Heat Distortion Temperature (ASTM D 2583-87): 92°C

#### 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:



# SILICONES

## and more

### 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:

