

# TOPCOAT® 960 BE

## TYPE

Topcoat based on isophthalic acid/neopentylglycol  
highly thixotropic, preaccelerated

## APPLICATION

Topcoat for brush application

## SPECIAL PROPERTIES

good resistance to chemicals and warm water, tack-free curing

## USE

as final coating for moulded parts exposed to water and chemicals at varying temperatures e.g. boats, swimming pools etc

## PRODUCT DATA

Determined per batch:

Non-Volatile Matter DIN 55671 non-volatile matter (120 °C; 5 min; 0,8 g)	[%]	61,5 - 65,5
Thixotropic Strength (UP-Resins) VLN 236 dynamic viscosity 50 (23 °C; 5)	[mPa.s]	4300 - 5300
dynamic viscosity 1 (23 °C; 5)	[mPa.s]	90000 - 110000
Gel Time (UP-Resins) DIN 16945 / 6.3.1.2 gel time 2 % MEKP (33%) (20 °C)	[min]	12 - 18

Not continually determined:

Density (Liquids) VLN 067 density approx. (20 °C)	[g/cm <sup>3</sup> ]	1,08
Flash Point DIN EN ISO 1523 flash point	[°C]	30

## CURING

Curing is possible at room temperature by addition of a ketone peroxide, e.g. MethylEthylKetonePeroxide. Do not catalyze at levels below 1 % or above 3 % as this may cause curing problems. Two percent is recommended. Take care that the water content of the chosen peroxide is as low as possible. The water content of the peroxide should be below 3%.

## PROCESSING

The Topcoat has to be thoroughly stirred and homogenized prior discharging from the container. The use of a flat brush with soft bristles and an unpainted handle is recommended. The Topcoat should be applied only with an absolutely dry brush (it must not contain solvent any more). Recommended Topcoat-quantity: 500 - 850 g/m<sup>2</sup> for a film thickness of 0.4 - 0.7 mm. Observe that the Topcoat as well as the laminate should have a temperature of at least 20°C. Prevent direct sunlight during application, in order to prevent disturbance of paraffine outflow. Such a disturbance could cause undercure and reduced chemical resistance.

## PROCESSING TIME

The processing time may be varied with a suitable choice of peroxide concentration.

## HUE

For optimal appearance it is recommended to use only one batch per moulded part. Please blend and homogenise several batches if the use of only one batch is not possible.

## STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 210 days.

The product should be stored under exclusion of direct sunlight in the original, undamaged and closed packaging in a dry and cool place. Geltime and curing time can change during progressive storage. Shelf live is reduced at higher storage temperatures.

## PRECAUTIONS

Please notice the information in the material safety data sheet (MSDS).

## DATA OF CURED BASIC RESIN

Not continually determined:

Tensile Test (Unreinforced Plastics) DIN EN ISO 527-2  
tensile strength [MPa] 65  
breaking elongation [%] 4,2

Hardness (BARCOL) DIN EN 59  
Barcol-hardness 934-1 34 - 40

Flexural Test (Unreinforced Plastics) DIN EN ISO 178  
bending strength [MPa] 127  
flexural modulus [MPa] 3200

Not continually determined data do not constitute a quality description, but correspond to single values, determined on a random sample. Deviations caused by production are possible.

## ACCELERATOR

The Topcoat contains Co-accelerator. Prolonged storage can reduce the effect of the accelerator. An addition of 0.5 - 1.0 % accelerator Co 1 may be necessary to restore the original potlife.

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