

NEOGEL® ECO

9375-W-2-00800

Art.-No. 7225404

NEOGEL®-ECO Gelcoats are based on an unsaturated ISO / NPG polyester resin dissolved in styrene. NEOGEL®-ECO Gelcoats are low emission and are characterised by very good coverage and outstanding weathering properties. The proportion of volatile organic compounds is below 30%.

Profile

Product family	NEOGEL® ECO
Product type	Gelcoat
Processing method	Hand quality
Pre-accelerated product	Yes
Resin base	Isophthalic acid - neopentyl glycol (IP-NPG)
Production method	Batch manufacturing
Colour	white
Odour	like styrene

Application Range

NEOGEL®-ECO Gelcoats are suitable for moulded parts which are exposed to high chemical, thermal and hydrolytic stress.

Specification / Technical Data

Density (BM D01) approx.	1,24 g/mL
Flashpoint (BPV FP 02) approx.	32°C
Styrene content approx.	24,30 %
Viscosity (BM V01) Viscosity at 25°C with spindle 4 and 2 rpm	48,000 - 54,000 mPas

Technical Data Sheet //

Viscosity (BM V01) Viscosity at 25°C with spindle 4 and 20 rpm	8,800 - 9,800 mPas
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The BÜFA testing standards define the testing scenario after the values are determined in our facilities. They relate to generally accepted standards and are available under request.

Curing

Reactivity	BM R01
Peroxide addition	Butanox M-50 2.0 vol.%
Geltime (Reactivity 25°C - 35°C)	14 - 16 min
T-Max (Reactivity Tmax at 25 °C)	160 - 180 °C

ATTENTION! The above data refer exclusively to the use of the reactants mentioned here in the specified dosage. When using other products and also with deviating dosage, the results may be different.

The inspection and assurance of the product quality (goods which meet the specifications) take place within the framework of quality control immediately after the product has been manufactured.

In order to optimise the moulding material properties, we recommend post-curing (tempering) the component for several hours at 80 °C. This achieves the optimal gelcoat properties.

Colouring

Other information

The gelcoat should be stirred gently before processing.

Maritime approval: DNV/GL*

DNV/GL* - NEOGEL ECO GC/TC--> TAK000022H

Storage and handling

As a result of the wide range of factors which may influence the operating conditions and the application of the product, the user must still carry out their own tests and trials.

The product must be stored closed, in a cool, dry place and protected from sunlight.

In unopened, original containers, the product can be processed for at least 3 months if properly stored at up to 20 °C.

Higher temperatures reduce storage life.

The setting and curing times as well as the viscosities may vary with longer storage periods.

The above details have been compiled to the best of our knowledge and are based on our current knowledge and experience. These details only constitute product descriptions. Under no circumstances do they constitute guarantees relating to quality or durability. The processor is obliged to carry out their own tests and investigations in order to take responsibility for any processing and application of our products in the processor's application area. The latest version of the corresponding EU safety data sheet must also be observed.