

BÜFA® -Marine-NPG-Gelcoat-S

Prod. No. 7489999

ISO / NPG Gelcoat, spraying quality

Technical Data Sheet

Product description BÜFA® -Marine-NPG-Gelcoat-S is a pre-accelerated gelcoat in a spraying consistency. It is based on an unsaturated ISO / NPG polyester resin dissolved in styrene.

Applications BÜFA® -Marine-NPG-Gelcoat-S is suitable for mouldings subjected to higher chemical, thermal and hydrolytic loads. Furthermore, the gelcoat has excellent resistance to weather. BÜFA® -Marine-NPG-Gelcoat-S was especially developed for use in boat and ship construction.

Specifications / technical data

Property	Test method	Value	Unit
Density at 20 °C	DIN 53 217/2	Approx. 1.1-1.3	g/ml
Viscosity at 20 °C Brookfield RV/DV-II Spl 4 rpm 4	ISO 2555	14000 - 22000	mPas
Styrene content		33-40	%
Flash point	EN ISO 3679:2014 Verfahren B	31.0-33.5	°C

Curing

Reactivity:

BÜFA method in conformity with DIN 16 945 6.2.2.1

(100 g Gelcoat + 2.0 ml Butanox M-50)

20 - 30 °C	10 - 18 min
20 °C - Tmax	20 - 30 min
Tmax	150 -190 °C

Gel time at 20 °C in a 100 g cup with 2 ml Butanox M-50:

10 - 18 min

Attention!

The information given above refers exclusively to the use of the catalysts named and the quantities specified. The use of different products or differing quantities may yield different results. Density depends upon pigmentation.

Colouring

BÜFA® -Marine-NPG-Gelcoat-S can be supplied in most RAL colours and a number of other shades. It is also available as an unpigmented base gelcoat with higher viscosity and reactivity under Product No. 7480001. If there is sufficient order volume, colour matching is also possible.

Directions for use

Our release agent system BF 500 / BF 700 has been tested and successfully used with this gelcoat. Before using other release agents, they should be tested for suitability under practical conditions. If circumstances permit, we recommend post-curing the moulded part for several hours at 80 °C to optimise performance characteristics. For more information on working and curing, see the notes in our Technical Information leaflet "Processing BÜFA® -Gelcoats".

Storage/Handling

This product must be stored cool in closed containers, protected from sunlight. Shelf-life is at least 3 months in unopened, original containers stored up to a temperature of 20 °C. Gel and curing times may change with increasing duration of storage.

Note: The Information given above is based on our current state of knowledge and experience. In view of the many factors that may influence working conditions and the application of our products, the user is not relieved from carrying out his own tests and experiments. No legally binding warranty of certain properties or suitability for a particular purpose can be derived from this information. It is the responsibility of the receiver or user of our products to observe proprietary rights as well as existing laws and regulations. The latest version of the corresponding EU Safety Data Sheet must also be observed.

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