ISO NPG Gelcoat

Code M55G1--

PRODUCT FEATURES

Iso/neopentyl resin-based gelcoat.
It shows a better resistance to moderately alkaline solutions, organic solvents and water, even at high temperatures. It also contains a UV stabilizer.
It shows an excellent resistance to light and a good flexibility during production. It is ideal to use in sailing, swimming pools and for all those applications where wear resistance is essential.

VERSIONS

Brush and spray application, paraffin-like version for topcoat, self-release.

APPLICATION

Pre-accelerated product. It requires 1,5 to 2% catalyst to harden, with a thickness range between 0,4 and 0,9 mm (500 - 900 gr/m^2).
Airbrush spray through a 4 - 4,5 mm nozzle with a pressure of 4 - 5 bar.
Airless spray through a nozzle having a flow rate of 18/40 - 15/40. Temperature range must be between 15 and 25°C.

PACKAGE

Tins 25 Kg (L)
Cans 250 kg (F)
Tanks 1000 kg (C)

PROPERTIES OF THE NON-CURED PRODUCT

PROPERTY	METHOD	UNIT OF MEASUREMENT	VALUE
Appearance	/	/	Thixotropic fluid
Brush viscosity at 25°C	UM 3	cps	14.000 – 18.000
Spray viscosity at 25°C	UM 3	cps	6.000 – 9.000
Film Gel time at 25°C [1]	UM 2	minutes	20 – 40
Mass Gel time at 25°C [2]	UM 2	minutes	4 – 12
Specific weight	UM 7	g/ml	1,45 – 1,70
Stability	UM7	months	max 4

PROPERTIES OF THE CURED PRODUCT

PROPERTY	METHOD	UNIT OF MEASUREMENT	VALUE
Water absorbing	/	%	< 0,2
Barcol hardness [3]	ASTM D 2583 - 75	/	> 40
Elongation at break	ISO/D 527 – 1966	%	2-3
HDT	ISO 75 – 1974	°C	> 100

Remarks
[1] Catalysis 2% MEKP 50% thickness 0,5 mm
[2] Catalysis 2% MEKP 50% mass 100 g
[3] After 3 hours at 60°C

IMPORTANT NOTE

The information given in this technical sheet is not intended to be exhaustive and any person, using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us of the suitability of the product for the intended purpose, does so at his own risk.

While we endeavour to ensure that all advice we give about the product is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product.

Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product.

The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.