

ESCON NEUTRAL ISO-NPG SPRAY GELCOAT

FA021000

ESCON NEUTRAL ISO-NPG SPRAY GELCOAT is a pre-promoted, thixotropic neutral thermoset coating based on polyester resin made from isophthalic acid and neopentyl glycol which is easy to apply and handle.

ESCON ISO-NPG GELCOAT is available in spray, brush and pigmented grades.

PERFORMANCE CHARACTERISTICS

FEATURES	BENEFITS
Excellent atomisation and general spraying characteristics.	Easy to apply with industry standard spray equipment.
Excellent flow/levelling properties.	Easy control of film thickness.
Good sag resistance.	Provides a more consistent film thickness.

SUGGESTED USE

This product is designed to be used pigmented for all applications requiring a protective, decorative and uv resistant surface.

RELATED PRODUCTS

FA511000 Brush grade

RECOMENDED CATALYST

We recommend using 2% MEKP NR20 for all general purpose applications and an application thickness of 0.75mm (wet film).

TYPICAL LIQUID RESIN PROPERTIES

PROPERTY	TYPICAL VALUE	TEST DETAILS
Viscosity	23,000 cP	Brookfield RVT#4/4 @25C
	290 – 330cP	C + P @23C
Geltime	11 – 15 minutes (Summer)	Using 2% MEKP NR20 @25C
	7 – 11 minutes (Winter)	
Flash Point	31 C	
Shelf Life	4 Months	Stored in closed containers, away from heat sources and sunlight

* Typical values: Based on materials tested in our laboratories, but varies from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

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TYPICAL CAST UNFILLED RESIN PROPERTIES

PROPERTY	TYPICAL VALUE	TEST DETAILS
Hardness	40	Barcol (GYZ 934-1) EN 59
Volume Shrinkage	7 – 8%	ISO 3521
Tensile Strength	80 MPa	ISO R527
Water Absorption	78mg	ISO 62 (24 hours) ISO 180 (7 days)

* Cast resin was prepared as laid down in BS 3532 using 1% MEKP. Cured at room temperature for sixteen hours then post cured for two hours at 80° C followed by two hours at 100° C.

STORAGE AND HANDLING

To ensure maximum stability and maintain optimum resin handling properties, polyester resins should be stored in closed containers, away from heat sources and sunlight. The resin should be stored away from all sources of ignition. Stored resin quantities should be kept to a reasonable minimum and used on a first in/first out stock rotation basis. Prolonged storage, or unfavourable storing conditions, may cause separation, therefore agitation of the resin before use is recommended.

STANDARD PACKAGING

Mild steel drums (225kg)

Always refer to the MSDS before use.

DS0513

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