

NORESTER 85 RTM

Product description

The NORESTER 85 RTM is a polyester resin specially designed for RTM and Infusion. It is white, filled, pre-accelerated and non-thixotropic. This low viscosity resin has good fibre wetting and impregnation properties.

Physical Properties of Uncured Resin

Brookfield Viscosity at 23°C-sp3-cPoise- 50rpm	ISO 2555	740 - 860
Specific gravity at 23°C	ICON012	1.56 - 1.60
Solid Content - %	ICON003	74 - 76
Storage stability 20°C- months	-	3

Reactivity

Gel time at 23°C 1 % MEKP (M50) on 100g - minutes	ICON002	30
Gel time at 23°C 2 % MEKP (M50) on 100g - minutes	ICON002	15

Versions available

Hand Lay up version with fire classified	NORESTER 85
Internal release	D

Viscosity & gel time versions available

	NA	15	-	30	40
TA	X	✓	X	✓	X

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Mechanical properties of cured resin*

Flexural Strength	ISO 178	55 MPa
Flexural Modulus	ISO 178	7.5 GPa
Tensile Strength	ISO 527	21.4 GPa
Elongation at Break	ISO 527	0.93 %
Heat Deflection Temperature -HDT	ISO 75-3	86 °C
Heat Deflection Temperature -HDT	ISO 75-2	80°C
Barcol Hardness	ASTM 2583	40-45

* To catalyse at 1% of MEKP- post cured 3h@80°C

Application & Specificities

Recommendations before use	Application temperature between 18-25°C. Homogenize the product.
Recommendations during use	1 - 2% Methyl Ethyl Ketone Peroxide (MEKP). Mix the catalyst well. Never mix accelerator and catalyst together.
Post Curing	24h at room temperature (16-20°C) then 16h at 40°C for optimal properties.

Storage

<p>The product must be stored in its original closed packaging at a temperature between 15°C and 25°C, away from direct sunlight.</p> <p>It is the responsibility of the customer to ensure that the product is used in good conditions before the use-by date mentioned on the keg.</p> <p>This product is subject to the Highly Flammable Liquids Regulations.</p> <p>Please follow the MSDS of this product in order to make sure the operators wear the appropriate personal protective equipment during usage of the product.</p>
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All these results were obtained from our internal laboratory tests. Results given in this document are indicative and, to the best of our knowledge, are reliable but cannot be taken as liability. We cannot endorse any responsibility for parts manufactured with this product.