4113000 series

TECHNICAL DATA SHEET

NORESTER 3000

Product description

NORESTER 3000 is a vinyl ester laminating resin, ready-to-use, specially recommended to produce moulds by hand layup or spray application where chemical resistance is required. It is thixotropic, charged, accelerated and pro motorised allowing the rapid production of moulds. This resin has very good fibre wetting and impregnation properties. It provides a good surface appearance, good hardening, and lighter moulds with very good mechanical properties.

Physical Properties of Uncured Resin

Brookfield Viscosity at 23°C-sp4-cPoise- 5rpm	ISO 2555	4500-5500
Specific gravity at 23°C	ICON012	1.43-1.47
Solid Content - %	ICON003	72-74
Storage stability 20°C- months	-	4

Reactivity

Gel time at 23°C 1 % MEKP (M50) on 100g – minutes	ICON002	25
Peak Temperature at 23°C 1 % MEKP (M50) on 100g – °C	ICON002	105-135

Versions

Thixotropic & Accelerated	TA

Viscosity & gel time versions available

	NA	25	40	75
TA	X	√	√	√

Mechanical properties of cured resin*

Heat Distortion Temperature -HDT	ISO 75-2	105°C
Barcol Hardness	ASTM 2583	40-45

* To catalyse at 1% of MEKP- post cured 3h@80 and 2h @ 100°C

NORESTER 3000

Application & Specificities

Recommendations before use	Application temperature between 18-25°C. Homogenize the product.
Recommendations during use	1 - 1,5% 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.
Procedure for making a mold	Refer to appendix

Storage

The product must be stored in its original closed packaging at a temperature between 15°C and 25°C, away from direct sunlight.

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.

This product is subject to the Highly Flammable Liquids Regulations.

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.