

TRICURE ROOFING RESIN

TriCure Roofing Resin unsaturated polyester is a preaccelerated, thixotropic, LSE resin primarily intended for use in hand-lay and spray-lay fabrications. It is particularly suited for the manufacture of medium and large mouldings. TriCure Roofing Resin has good resistance to drainage and exhibits a medium rate of curing. It is important that the resin is stirred well before use

TriCure Roofing Resin exhibits predictable curing characteristics but, like all formulated resin systems, will be affected slightly by variations in ambient conditions, catalyst concentrations, type and concentration of additives such as fillers and pigments etc and normal batch to batch variations during manufacture.

We recommend that the resin is used above 15°C. In cold weather drums should be stored indoors (if possible at least 24 hrs before use). Gel time and curing will be slower at resin temperature below 15°C and will lengthen as resin temperature decreases.

Technical data summary Uncured (liquid) resin

Viscosity (cps @ 25°C, 60 rpm)	250-450
Thixotropic index (6/60)	2.0 minimum
Nvm (%) (typical)	57-62
Appearance	Hazy Resin
Specific gravity @ 25°C	1.085-1.115
Stability in dark @ 25°C	3 months
Percent polymerisable	100

TYPICAL PROPERTIES* CURED CAST RESIN

Tensile strength	40-60 mpa
Flexural strength	70-80 mpa
Flexural modulus	2.8-3.5 gpa
Elongation in tension	1.5-2.2%
Barcol 934-1 hardness	35-45
Heat distortion point	52-62°C
Water absorption 24 hrs	20-40mg

LAMINATE EXOTHERM 80°C Max (Measured according to Deltech's P477TM)

*Determined according to BS 2782 using appropriate part and test method.

SUGGESTED CURING STARTER FORMULATION :

1.2% OF MEKP (butan-2-one peroxide), medium reactivity catalyst.

This will give a gel-time (or pot-life) of 12-18 minutes as measured by a Techne Gelation Timer @ 25°C under laboratory conditions

The information contained in this document is for guidance only and is not intended as a binding specification. Whilst every effort is made to ensure the accuracy of the properties and claimed performance, final selection and use must be warranted by customers own suitability proving trials.

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