

## TriRoof Lloyd's Approved Resin

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Version: 01, 24/11/2016

### Product type

Unsaturated polyester resin in styrene, Orthophthalic

### Appearance

Rose

### Main resin characteristics

Low styrene emission, Preaccelerated, Thixotropic

### Main applications

General purpose

### Moulding informations

Hand lay up and Spray up

### Shelf life and storage

Store in the shade, out of direct sunlight. Keep storage temperature below 25°C. Unseal container just before use. Shelf-life will be reduced reaching higher temperature. Use before reported shelf-life

### Precaution for handling

Stir the resin before use, without use air bubbles., As the resin includes a film-forming agent, we recommend that the laminate should first rubbed down before bonding or relaminating., Read carefully the Safety Data Sheet

### Note

LLOYD S REGISTER OF SHIPPING & WRAS

## FEATURES OF THE LIQUID RESIN

<i>Properties</i>	<i>Test Method</i>	<i>Unit</i>	<i>Typical values</i>
<b>Specific weight at 20°C</b>		g/cm <sup>3</sup>	<b>1,10</b>
<b>Brookfield viscosity at 23°C, sp 2 rpm 50</b>	MT-CUT23V	mPa.s	<b>450 - 650</b>
<b>Solid content</b>	MT-CU001C	%	<b>56 - 60</b>
<b>Reactivity</b>	at 23°C + 1% MEKP50		
<b>Gel time</b>	MT-CU151R	minutes	<b>14 - 18</b>
<b>23°C - Peak</b>	MT-CU151R	minutes	<b>27 - 37</b>
<b>Exothermic peak</b>	MT-CU151R	°C	<b>90 - 110</b>
<b>Shelf life at 23°C in the dark</b>	MT-CU002S	months	<b>6</b>

## PROPERTIES OF THE CURED UNREINFORCED RESIN

<b>Curing cycle</b>	16 h at 40°C (+ 2 h at 120°C for HDT)		
<b>Tensile strength</b>	ISO 527 (2012)	MPa	<b>57</b>
<b>Tensile modulus</b>	ISO 527 (2012)	MPa	<b>3715</b>
<b>Elongation at break</b>	ISO 527 (2012)	%	<b>2,3</b>
<b>Flexural strength</b>	ISO 178 (2011)	MPa	<b>98</b>
<b>Flexural modulus</b>	ISO 178 (2011)	MPa	<b>3630</b>
<b>HDT</b>	ISO 75 -2A (2013)	°C	<b>64</b>

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