

## Xtreme Polyester Surfboard Resin

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### Product type

Unsaturated polyester resin in styrene, Orthophthalic

### Appearance

NA - Light - Transparent

### Main resin characteristics

Low reactivity  
Preaccelerated  
Light stabilized  
Medium viscosity

### Main applications

### 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.

### Precaution for handling

Read carefully the Safety Data Sheet  
Stir the resin before use, without introducing air

### Note

Surfboards

## FEATURES OF THE LIQUID RESIN <sup>(1)</sup>

Properties	Test Method	Unit	Typical values
<b>Specific weight at 20°C</b>		g/cm <sup>3</sup>	<b>1,12</b>
<b>Brookfield viscosity at 23°C, sp 2 rpm 50</b>	MT-CU 023V	mPa.s	<b>540 - 640</b>
<b>Solid content</b>	MT-CU 001C	%	<b>63,5 - 67,5</b>
<b>Reactivity</b>	at 23°C + 1% MEKP50		
<b>Gel time <sup>(2)</sup></b>	MT-CU 151R	minutes	<b>6 - 8</b>
<b>23°C - Peak</b>	MT-CU 151R	minutes	<b>15 - 21</b>
<b>Exothermic peak</b>	MT-CU 151R	°C	<b>125 - 145</b>
<b>Storage stability at 23°C in the dark</b>	MT-CU 002S	months	<b>5</b>

- 1) Thoroughly test in your applications before full-scale use. Geltimes may vary due to the reactive nature of these materials and due to different brands of curing additives. Always test on small scale before formulating large quantities.  
2) If present, Cobalt is herewith intended as octoate. Use of different Cobalt salts could result in different geltimes. Always test on small scale before formulating large quantities.

## PROPERTIES OF THE CURED UNREINFORCED RESIN <sup>(3)</sup>

<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>49</b>
<b>Tensile modulus</b>	ISO 527 (2012)	MPa	<b>3705</b>
<b>Elongation at break</b>	ISO 527 (2012)	%	<b>1,9</b>
<b>Flexural strength</b>	ISO 178 (2011)	MPa	<b>105</b>
<b>Flexural modulus</b>	ISO 178 (2011)	MPa	<b>3370</b>
<b>HDT</b>	ISO 75-2A (2013)	°C	<b>59</b>

- 3) Properties are typical values, based on material 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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