



**XTREME RESIN FOR SURFBOARDS
SPECIALLY DESIGNED
FOR FUN & EXTREME SURF**



Xtreme
resin
013155

What is a resin?

The polyester resin used to shape boards is a clear liquid that hardens when mixed with a catalyst; just like the resin from trees hardens when it becomes exposed to air.

Why surfboards are made of resin?

Resin is used to bond together the fabrics* which surround the foam core. Specifically designed for the job, the resin ensures that the full strength and resilience of the glass fabrics is evenly distributed across the board. It's simple, the top board needs the top resin.

How long must we wait before using a new surfboard?

For ultimate performance the resin has to be 100% hardened before the board is used. Even when catalysts are used to speed up the cure, only 94-98% is achieved in the workshop. So, it's recommended to wait for 2 to 3 weeks before using a new board; time out to watch the waves!



TAKE CARE OF THE BOARD!

- The resin is an organic material, it loves the summer but **ultra high temperatures (above 50 °C) can damage it.**
- **Be fair and avoid thermal shock**, if your car is parked in the summer sun all day long don't dump your board straight from the waves into the boot. The 20 or 30°C shock can damage the board with thermal cracks. Take a little chill time and enjoy the beach!
- Sand is great for beaches but tough on your board, just think about sandpaper – ouch! **Take care not to drag your board on the sand**, otherwise you can sand away the surface layers.

Xtreme. Norsodyne 0 13155 AL Unsaturated Polyester Resin

APPEARANCE

Transparent blue liquid resin.

MAIN RESIN CHARACTERISTICS

Orthophthalic unsaturated polyester resin, low reactivity, medium viscosity, preaccelerated, light-stabilised.

MOULDING INFORMATION

- Hand lay-up
- UV curing

MAIN APPLICATIONS

- Surfboards

CURED RESIN PROPERTIES NON REINFORCED

Specific weight	1,20 g/cm ³
Tensile strength (ISO 527)	51 MPa
Elongation at break (ISO 527)	2,1 %
Flexural strength (ISO 178)	110 MPa
Flexural modulus (ISO 178)	4000 MPa
Heat deflection temperature (ISO 75A)	62 °C
Volumetric shrinkage	6 %

LIQUID RESIN PROPERTIES

Specific weight at 25°C	1,12 g/cm ³
Viscosity at 25°C	5.5 dPa.s
Solid content	64 %
Reactivity	
- Method	PI/01-1
- Test temperature	25°C
- Catalyst system	1% MEKP 50%
- Resin quantity	100 g.
- Gel time	7 min.
- Cure time	18 min.
- Peak exotherm	160°C

SHELF LIFE

6 months below 25°C, in a dry place and away from direct sunlight.

STORAGE AND HANDLING

Polyester solutions contain volatile and flammable monomers such as styrene and should be handled and used in well ventilated, flame proof areas. More information on its safety data sheet.

The information contained herein is based upon our own research and is intended to assist customers in determining whether our products are suitable for their specific applications. The user is required to check the quality, safety and suitability of our product prior to use. Starting point formulations and suggestions for use are given as guidance only and are made without warranty. Nor should it be construed as permission, inducement or recommendation to practise any invention covered by patent without authority from the owner thereof.