

# New Ultratec™ Sheeting Gelcoats

Introducing the next generation of sheeting gelcoats



**Ultratec™ Sheeting Gelcoat** is a clear, thixotropic unaturated polyester resin and has been specially developed for use in high temperature, continuous line systems for the manufacture of roof-sheeting panels. The new improved formulation has increased UV and weathering resistance, styrene content has been reduced by 25% for reduced cure shrinkage and UV discoloration, higher clarity/low colouration in cured film with improved air release.

## ULTRATEC™ Sheeting Gelcoat – Improved performance

UV & Weathering Resistance	Outstanding resistance to discoloration on outdoor UV exposure
Lower Styrene Content	Reduced styrene by 25% reducing emissions on workshop applications
Clarity	Improved clarity
Good Flow Properties	Excellent levelling properties

## Application Guidelines

After the catalyzation of Ultratec™ Sheeting Gelcoat, maintain the resin between 25-30°C to allow the air caused by mixing the catalyst to escape. Minimum recommended film thickness: 400 microns. After application of Ultratec™ Sheeting Gelcoat the resin film must be exposed in an oven at temperature between 75 to 100°C before it is consolidated with chopped glass and laminating resin.



## Catalyst Recommendation:

Ultratec™ Sheeting Gelcoat is pre-accelerated and requires the addition of a catalyst to start the curing reaction. The recommended catalyst mix is below:

Item	Quantity
Ultratec™ Sheeting Gelcoat	100
Trigonox K-90	1.5 – 2.0 Phr (parts per hundred resin)

## Product Properties & Performance Data

### Typical Liquid Resin Properties

Appearance	Purple/Blue liquid -slightly hazy
Viscosity @ 25°C, cP Brookfield RVT 4/5	10000 – 15000
Gel time @ 82°C – SPI 1.5% Trigonox K-90, minutes	1.5 – 3.0
Volatile Content	29 – 32%
Shelf life (at ambient temperature, stored away from any heat sources and sunlight)	6 months minimum

### Typical Cast Unfilled Resin Properties

Heat Deflection (ISO 175 (1.8MPa)	70-75°C
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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.

For more information on this product please contact our Customer Service Team on 1800 789 607 or visit [www.allnex.com](http://www.allnex.com)

**ULTRATEC™ SHEETING GELCOAT IS NOW AVAILABLE FROM ALLNEX COMPOSITES**

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