

PRODUCT CODE: C410206

Ultratec™ SP Sheeting Gelcoat is a clear, thixotropic unsaturated polyester resin.

Ultratec™ Sheeting Gelcoat has been specially developed for use as a gelcoat in a high temperature, continuous line system for the manufacture of roof-sheeting panels.

FEATURES

- Pre-accelerated
- UV Stabilized
- Low Porosity
- Good Flow Properties

BENEFITS

- Only requires addition of Cumene Hydroperoxide initiator, and elevated temperature to start the curing process
- Improved UV protection for finished sheet
- Minimal air entrapment in cured film
- Excellent levelling properties

TYPICAL LIQUID RESIN PROPERTIES

PROPERTY	TYPICAL VALUE
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	39 -42%
Shelf Life (at ambient temperature, stored away from any heat sources and sunlight)	6 months minimum

Typical values: Based on materials 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

TYPICAL CAST UNFILLED RESIN PROPERTIES

PROPERTY	TYPICAL VALUE	TEST DETAILS
Heat Deflection	70-75°C	ISO 175 (1.8 MPa)

Cured at room temperature for sixteen hours then post cured for three hours at 80°C.

APPLICATION GUIDELINES

After the catalyzation of Ultratec™ SP 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™ SP 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.

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

Item	Quantity
Ultratec™ SP Sheeting Gelcoat	100
Trigonox K-90	1.5 – 2.0 Phr

*Phr – parts per hundred resin

STORAGE AND HANDLING

To ensure maximum stability and maintain optimum resin handling properties, polyester resins should be stored in closed containers, away from heat sources and sunlight. The resin should be stored away from all sources of ignition. Stored resin quantities should be kept to a reasonable minimum and used on a first in/first out stock rotation basis.

Prolonged storage, or unfavourable storing conditions, may cause separation, therefore agitation of the resin before use is recommended.

STANDARD PACKAGING

Mild steel drums (225kg)

Always refer to the MSDS before use