



# ESTEROCHEM™

## TECHNICAL DATA SHEET

### ESTEROCHEM EP-955 UNSATURATED POLYESTER RESIN

#### Product Description

ESTEROCHEM EP-955 is a high-reactivity unsaturated polyester resin synthesized from styrene and standard glycols, derived from recycled PET. It exhibits strong wetting and penetration behaviour, making it suitable for chipboard and wood-frame coating. The cured resin forms a protective barrier that minimizes internal wood degradation and extends material service life. Its moisture-resistant properties make it well suited for plywood and other construction-grade wood composites.

#### Applications

- Wood Coating
- Wood Lamination
- Wood Protection

#### Technical Properties

Property	Value
Appearance	Light yellow
Styrene Content	32 – 35%
Acid Value	≤20 mg KOH/g
Solid Content	60 – 65%
Mass Density	1.12 – 1.19 g/cm <sup>3</sup>
Viscosity @ 30°C	60 – 80 seconds
Gel Time @ 30°C	05– 08 minutes
Peak Exothermic Temperature	165 – 185°C
Time to Peak Exotherm	12 – 18 minutes

#### Gel Time Calculation:

Promoter: Cobalt naphenate 0.33%, Co content:6%; curing agent MEKP 1%, Effective oxygen content:10%; [Gel time and Viscosity can be optimized as per customer requirement]

#### Variants:

- Thixotropic
- Pre- accelerated

#### Storage Guidelines

ESTEROCHEM EP-955 should be stored in a cool, dark environment at or below 25°C. Exposure to higher temperatures may reduce the product’s shelf life and affect performance.

#### Shelf Life

Under recommended storage conditions (≤25°C), the shelf life of the product is three months. Prolonged exposure to elevated temperatures will shorten shelf life.

#### Packaging

Supplied in 220 kg iron drums.

The information provided herein is based on our current level of knowledge and experience. As resin performance can vary due to numerous factors beyond our control, we strongly recommend users conduct their own preliminary tests to ensure product suitability for specific applications. Should there be any significant variation in resin properties, please contact your supplier immediately.