



## Technical Data Sheet (25-Series) (PPO-00-LAB-TDS-08)

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### Description

25-Series gelcoats are formulated from premium polyester resins and fire retardant additives to achieve optimal fire retardancy properties and low slow smoke development. They are suitable for applications requiring a surface with resistance to flame spread and smoke development.

### Distinguishing Characteristics

Low flame spread  
Low smoke development

### Application Techniques

1. Catalyzation with MEKP is recommended at levels of 1.0-1.5% for best results. Over or under catalyzation will inhibit the gelcoat cure.
2. Apply in several thin overlapping layers rather than a single thick coat to avoid porosity, sagging and trapped solvent.
3. Thinning is not recommended since it can cause drainage, solvent entrapment or inadequate cure.

### Typical Properties

Viscosity 4500-5000 cps. (10000-12000 cps brush viscosity)  
Gel Time (1%MEC-EX) 12-15' (100gm mass @22°C).  
Specific Gravity 1.25-1.35

**Note:** Brush viscosity is noted by a B after the colour number (eg. 25-310B).

### Typical Physical Properties (Casting)

Barcol Hardness.....38  
Tensile Elongation, %.....3.1  
Water Absorption, %.....0.17

**Note:** Although our data concerning the fire resistance properties of these gelcoats is believed to be reliable, we recommend that the customer determine the suitability of these products for applications requiring fire resistance.

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