

Technical Data Sheet

09 March 2016

Unsaturated Polyester Resin for Wood Sanding Sealers

KUPOL SS1F00

**Kupol SS1F00** is a non-accelerated, non-thixotropic, rapid curing unsaturated polyester designed for use in the formulation of 2 component wood sanding sealer systems cured with Cobalt Octoate and Methylene Ketone Peroxide (MEKP). **Kupol SS1F00** cures to a rigid, glossy, tack free surface.

**Characteristics of the resin as supplied:**

**Physical Characteristics**

Parameter	Units	Limits	Parameter	Units	Limits
Non-Volatile Content	%	75.0 ± 2	Reactive Diluent *	Nil	Styrene
Gardner Viscosity	Nil	Y – Z <sub>1</sub>	Acid Value (as supplied)	mg KOH/g	12 – 18
Brookfield Viscosity*	Poise	25 – 40	Colour	Gardner	3 Max

**Curing Characteristics**

Parameter	Units	Limits	Curing parameters are determined on a 100 gram sample pre-accelerated with 2% of 1% Cobalt Octoate solution stabilised at 25°C and catalysed with 2% MEKP (50%).
Gel Time @ 25°C *	Minutes	5 – 10	
Cure Time *	Minutes	10 – 20	
Peak Exotherm *	°C	± 170	

Properties marked with an \* are provided for information purposes only and do not form part of the product specification.

**Areas of use**

**Kupol SS1F00** has been formulated for use in the manufacture of 2 component wood sanding sealer systems that are applied by hand. Sanding Sealers based on Kupol SS1F00 have very good adhesion and penetration on wooden substrates and exhibit excellent sanding properties.

**Curing**

**Kupol SS1F00** is non-accelerated and requires the addition of cobalt octoate accelerator to affect curing prior to the addition of the MEKP catalyst. The cobalt octoate should be thoroughly mixed into the resin system before any peroxide is added. Please note that accelerator and catalyst should never be mixed together as this could result in explosion and/or fire risks.

**Packaging**

**Kupol SS1F00** is available in 220Kg net mild steel tight head drums.

**Storage Stability and Safety**

**Kupol SS1F00** is stable for a period of 6 months when stored in its' original container out of direct sunlight at temperatures not exceeding 25°C. This product contains styrene monomer and requires special care in handling. Please refer to the MSDS and any local statutory requirements.

No warranty or guarantee, express or implied, is made regarding the performance or stability of any product since the manner of use and/or conditions of storage are beyond our control. KCMC are committed to improving all aspects of our product range through continued research and development. As such product composition and/or specifications may change without notice.