

Product Technical Data PATPOL 12-01PT

01. Description

PATPOL 12-01 is a preaccelerated thixotropic resin specially designed for spray-up applications. Reactivity and exotherm has been designed to provide build up of up to 3.5mm, while still providing satisfactory speed of cure. PATPOL 12-01 has low base viscosity allowing pumping through spray nozzle and high static viscosity preventing draining from vertical surfaces. PATPOL 12-01 is suitable both for internal mixing as well as external mixing.

02. Application

All spray-up applications.

03. Physical data in the liquid state (conforms to IS 6746 –1994)

<i>Property</i>	<i>Unit</i>	<i>Limits</i>	<i>Test method</i>
Appearance	--	Pinkish viscous Liquid	--
Specific Gravity	--	1.200±0.05	--
Viscosity at 25°C - Brookfield LVT (2/30)	Mpa.s (cPs)	300±100	--
Acid Value	Mg KOH/g	14±2	--
Non-Volatiles Content	%	61±2	--
Gel Time @ 30°C*	Minutes	12±2	--
Peak Exotherm	°C	210±10	--
Stability in the dark at 30°C	Months	2	--

*Using 1.5%Co (3%), 1.5% MEKP (50%)

04. Properties of cast resin laminate-AVAILABLE ON REQUEST

05. Post curing

Mature the laminate for 24 hours @ room temperature, followed by post curing @ 60°C for 16 hours or @ 80°C for 3 hours.

06. Usage

PATPOL 12-01PT performs best if the laminate is completely post cured. The quantity of catalyst and accelerator may be adjusted to get the optimum gel time. Since viscosity increases on the storage, styrene may be added to lower viscosity.

07. Storage

PATPOL 12-01PT remains stable for 2 months at 30°C in the dark. The stability deteriorates markedly at elevated temperatures, especially when exposed to direct sunlight.

08. Packing

PATPOL 12-01PT is packed in HDPE carboys (35 kg) & epoxy coated steel drums (225 kgs).

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