

Product Technical Data PATPOL 13-01

01. Description

This is better quality resin (ORTHO) THAN PATPOL 11-01 suitable for hand lay-up applications. It can be use for a wide variety of FRP articles right up to the largest sizes. PATPOL 13-01 is a medium reactive resin, which allows a wet on wet build of up to 5mm. PATPOL 13-01 formulated to provide an adequate bench life, while at the same time providing a relatively rapid after cure and a large cure plateau.

02. Application

For hand lay-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	--	Yellow Clear Liquid	--
Specific Gravity	--	1.12±0.05	--
Viscosity at 25°C - Brookfield LVT (2/30)	Mpa.s (cPs)	200±50	--
Acid Value	Mg KOH/g	24±2	--
Non-Volatiles Content	%	63(2)	--
Gel Time @ 30°C*	Minutes	6(2)	--
Peak Exotherm	°C	224±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 13-01 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 13-01 remains stable for 3 months at 30°C in the dark. The stability deteriorates markedly at elevated temperatures, especially when exposed to direct sunlight

08. Packing

PATPOL 13-01 is packed in HDPE carboys (35 kg) & epoxy coated steel drums (225 kgs)

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