



SCOTTECH POLYESTER LAM RESIN

INFORMATION and TECHNICAL DATA

Scottech Laminating Polyester Resin is a thixotropic, promoted ortho LSE resin (Low Styrene Emission) designed for hand lay-up and spray-up of parts where short mould turnover and low peak exothermic are required, suitable for 3-15 mm application wet-on-wet.



Benefits

- Good Workability.
- Good wet-out and easy defoaming.
- Has excellent mechanical strength
- Has high thixotropic efficiency.

Typical Technical / Physical Specifications

All specifications were determined at 25°C

Gel Time (Working Time) at 25°C:	
1.5% MEKP Catalyst	45 – 55 min
(Recommended) 2% MEKP Catalyst	30 – 40 min
2.5% MEKP Catalyst	25 – 35 min
Barcol Hardness	45
Operational Temperature	15°C – 35°C
Shelf Life	4 Months*

The shelf life when stored in the sealed original tin, at a cool temperature less than 25°C away from sunlight and other heat sources is typically 4 months. Storage above 25°C or in sunlight or near heat sources can decrease the shelf life

The information contained in this document is correct to the best of our knowledge. The recommendations or suggestions given is made without guarantee or representation as to results. We suggest that you conduct your own testing for suitability to your application prior to use. Our responsibility for claims arising from breach of warranty, negligence, or otherwise is limited to the purchase price of the material.



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APPLICATION GUIDE

Instructions

1. Shake tin well before use.
2. Pour the desired amount (what you can use in 20 minutes) of resin into a suitable container, while measuring the amount of resin.
3. Calculate (refer to Addition Guide) and add the amount of MEKP (sold separately) needed. 2% of the amount of the resin is recommended. Less catalyst can be added to increase the amount of time you have to work with the resin before it becomes a gel. More catalyst can be added in colder conditions to increase the rate of cure. Between 1.5% - 2.5% is recommended for changing the working time.
4. Stir the catalyst in thoroughly for at least 1 minute while scraping the sides of the container.
5. Apply the resin to the project and allow to harden.
6. Clean up with acetone (sold separately).

Addition Guide

		100 mL	250 mL	500 mL	1 L	2 L	4 L
Warmer Conditions	1.5%	1.5 mL	3.75 mL	7.5 mL	15 mL	30 mL	60 mL
25°C	2.0%	2 mL	5 mL	10 mL	20 mL	40 mL	80 mL
Colder Conditions	2.5%	2.5 mL	6.25 mL	12.5 mL	25 mL	50 mL	100 mL

WARNING

Do **NOT** catalyse with less than 1.5%, or greater than 3% MEKP catalyst, as this will cause curing issues such as the resin not hardening, or overcure resulting in cracking and shrinkage.

Do **NOT** apply resin in temperatures less than 15°C, or greater than 35°C as this will cause curing issues such as the resin not hardening, or overcure resulting in cracking and shrinkage.

Do **NOT** apply in relative humidity greater than 70%, as this will cause curing issues such as the resin not hardening.

Do **NOT** apply a resin layer thinner than 0.6mm.

If the surface is not properly prepared prior to application, poor adhesion between the resin and surface can occur which can lead to delamination.

Read safety directions on label before handling
Contact Scott Technology for safety data sheet



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