

TS154

TS154 is a solvent system designed as a diluent for MP400C dipping varnish.

Key Properties

- Compatible with MP400C/MP400C-1

Description

- One-part system

Typical Properties

| | |
|------------------|------------------|
| Colour | Clear, Odourless |
| Odour | Aromatic |
| Specific Gravity | 0.86 @ 20°C |
| Flashpoint | 38°C |
| Flammability | Highly Flammable |

Contact: Technical Support on 01793 823741 or support@robnor.co.uk for details.

Approvals

| | |
|----------------------------|--------------|
| RoHS compliant | Yes |
| UL94-V0 | No |
| REACH (SVHC concentration) | Refer to SDS |

Application

TS154/NC should be used in small amounts to reduce the overall viscosity of MP400C. This will generally result in thinner MP400C/NC coatings.

Dip Coating

Ensure that the coating material in the container has been agitated thoroughly and has been allowed to stand for at least 2 hours for all the air bubbles to disperse.

TS154/NC thinner should be used to keep the coating at a suitable viscosity for dipping.

TS154/NC is added periodically as the solvent evaporates.

The viscosity should be checked using a viscosity meter or "flow cup".

The board assemblies should be immersed in the dipping tank in the vertical position, or at an angle as close to vertical as possible.

Connectors should not be immersed in the liquid unless they are very carefully masked.

Leave submerged for about 1 minute until the air bubbles have dispersed.

The board or boards should then be withdrawn VERY SLOWLY so that an even film covers the surface.

After withdrawing, the boards should be left to drain over the tank until most of residual coating has left the surface.

Drying times and curing conditions

| Temperature | Touch dry time | Initial cure time | Full Cure time | Post cure* |
|-------------|----------------|-------------------|----------------|------------|
| 20°C | <20 minutes | 60 minutes | 24 hours | - |
| 60°C | 5 minutes | 20 minutes | 12 hours | - |
| 80°C | 3 minutes | 5 minutes | 4 hours | 12 hours |
| 100°C | - | - | 2 hours | 6 hours |
| 120°C | - | - | 1 hour | 3 hours |

* For maximum performance and chemical resistance, a post cure is recommended. In general, the higher the post cure temperature the greater the chemical resistance. The above times will vary dependant on coating thickness, humidity and component density and are given as a guide only.

Plastic Compatibility

Please note the solvent system for this product contains toluene and butanone that could possibly affect a number of plastics materials including polystyrene and polycarbonates.

Availability

Available through distribution www.resins-online.com and sales@robnor.co.uk

Part Numbers

TS154/NC/1LT
TS154/NC/5LT

Storage and Shelf Life

This product contains flammable solvents and should therefore be stored in well-ventilated areas away from heat and naked flames and should be stored in sealed, dry containers. Recommended storage temperature is between 10°C and 25°C, under these storage conditions the shelf life of the product is 12 months.

Health and Safety

Users should familiarise themselves with the Health and Safety information SC123CF provided by the Company

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The results and information above does not constitute a specification and is given in good faith and without warranty. The information is derived from test/or extrapolations believed to be reliable and is quoted for guidance only. The product is offered for evaluation on the understanding the customer satisfies himself that the product is suitable for the intended application by proper evaluation and testing.

Contact Details

Robnor Resinlab Limited
31 Athena Avenue
Elgin Industrial Estate
Swindon
SN2 8EJ
United Kingdom

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|-------------|--|
| Tel: | +44 (0) 1793 823741 |
| Fax: | +44 (0) 1793 827033 |
| Email: | support@robnor.co.uk |
| Web: | www.robnor-resinlab.com |
| Buy Online: | www.resins-online.com (UK only) |