

# SA 130FR

## 130°C TG FIRE RETARDANT LOW SMOKE RESIN FILM

- ▢ Curable at temperatures as low as 85°C (185°F)
- ▢ Can achieve 130°C Tg using vacuum bag processing
- ▢ Compatible with SPX 25225 SPRINT and SA 130FR Prepreg products

### INTRODUCTION

**SA 130FR is a low temperature curing fire retardant & smoke suppressant epoxy adhesive film.**

SA 130FR can be cured at temperatures as low as 85°C / 185°F, but can also be used for faster manufacture of components through its 45 minute cure at 120°C / 248°F . SA 130FR provides a bonding solution for bonding SPX 25225 SPRINT and SA 130FR Prepreg skins to core materials.

### TYPICAL APPLICATIONS

SA 130FR is ideally suited to rail / industrial / commercial marine craft and civil applications where fire retardant laminates are required.



## PRODUCT INFORMATION

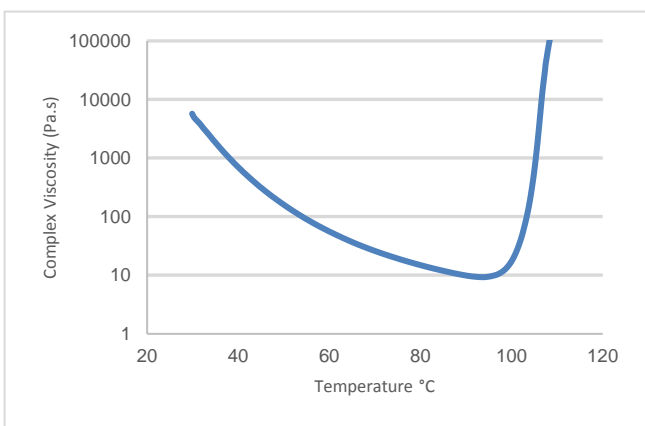
SA 130FR is available in a variety of fabric forms, normally supplied on a single silicon paper. Please contact Technical Support to discuss specific requirements and availability.

## RESIN FILM PROPERTIES

### RHEOLOGY DATA

SA 130FR viscosity profile conducted at 1°C (1.8°F) per minute.

PROPERTY	VALUE	
Minimum Viscosity	9.8 Pa.s	98 Poise
Temperature at Minimum Viscosity	93°C TBD	199 °F



### TRANSPORT & STORAGE

When stored sealed & out of direct sunlight.

STORAGE TEMP		UNIT	VALUE
-18°C	0°F	months	18
+18-22°C	+64-72°F	weeks	8

All prepreg materials should be stored in a freezer when not in use to maximise their useable life, since the low temperature reduces the reaction of resin and catalyst to virtually zero. However, even at -18°C (0°F), the temperature of most freezers, some reaction will still occur. In most cases after some years, the material will become unworkable.

### HEALTH AND SAFETY

Please refer to product SDS for up to date information specific to this product.

### MINIMUM CURE TIME & TEMPERATURE

Recommended minimum cure is 6 hours at 85°C (185°F) using vacuum bag processing.

PROPERTY	VACUUM BAG / AUTOCLAVE			TEST STANDARD
Typical Ramp Rate	0.3°C / 0.5°F per minute			-
Cure Temperature	85°C / 185°F	95°C / 248°F	120°C / 248°F	-
Cure Dwell Time	6 hours	180 min	45 min	-
Cure Pressure	Up to +6bar (85Psi)			-
Cure Vacuum	-1bar (14.5Psi)			-
De-mould Temperature	< 80°C (176°F)			-
Dry Tg <sub>1</sub> (DMA)	c. 100°C / 221°F	c. 110°C / 230°F	c. 120°C / 248°F	ASTM D7028

This product can be used in conjunction with typical core materials. Representative test panels should be made to ensure that the laminate construction, curing method and other variables allow filling of any cuts or slits in the foam, if required in the engineering. The cure cycles given in this datasheet are for typical monolithic flat panels and may not be appropriate for sandwich panels.

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Gurit is continuously reviewing and updating literature. Please ensure that you have the current version by contacting your sales contact and quoting the revision number in the bottom left-hand corner of this page.

## TECHNICAL CONTACT INFORMATION

For all other enquiries such as technical queries:

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## 24-HOUR CHEMICAL EMERGENCY NUMBER

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