DELIVERING THE FUTURE OF COMPOSITE SOLUTIONS

ADHESIVES

contact@gurit.com
www.gurit.com
INTRODUCTION

Gurit is a technical leader in the formulation of advanced epoxy resins, and offers a range of two component epoxy adhesives and adhesive films.

SPABOND TWO COMPONENT EPOXY ADHESIVES

Spabond adhesives offer outstanding performance in numerous composite and non-composite bonding applications, and are perfect partners for Gurit’s laminating products. Spabond adhesives offer ease of use, durability and a consistently high quality.

The Spabond range is supplied in various formats to suit different requirements. Cartridge applicators provide perfectly mixed adhesive to the joint, cleanly and with a minimum of waste. For larger volume applications Spabond adhesives can be mixed and dispensed using a range of mixing machines.

ADHESIVE FILMS

Gurit adhesive films are designed for secondary bonding, core-bonding and for co-curing with Gurit’s range of prepregs and SPRINT™. They are toughened for impact resistance and peel strength, and are subject to controlled flow for maximum bond integrity.

Gurit’s adhesive films are available at various weights, with or without a carrier, and are divided into SA 70 films, (for use with the SE 70 range of prepregs) and SA 80 films, (for use with the SE 84 range of prepregs), and can be supplied pre-coated on to Gurit prepregs.

### GURIT’S RANGE OF ADHESIVE MATERIALS

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** Polyester GRP laminates at least 2 weeks old
Spabond Adhesive System

Spabond 340LV
- High performance epoxy adhesive designed for bonding large structures.
- Lower density than glass filled adhesives
- Higher thermal performance & faster cure
- Lower exotherm and shrinkage
- Range of working times / clamp times

INTRODUCTION
The latest Spabond 340 formulation is a high performance adhesive designed for bonding large structures. It is a cost-effective system with good thermal and mechanical properties.

TYPICAL APPLICATIONS
Large structures such as yacht hulls and wind turbine blades.

PACK SIZES & AVAILABILITY
- Spabond 340 is available in 400 and 900ml cartridges, 20/10 and 200/200kg resin/hardener quantities for machine mixing/dispense.
- Cartridge guns and mix heads are also available on request.

Spabond 730
- Rapid curing structural adhesive designed for applications where reduced clamp times are important.
- Reduced clamp time structural adhesive
- Available in 400ml 2 component dual cartridges
- Gels in 10 minutes, solid in 2 hours, full properties after an overnight cure at ambient

INTRODUCTION
Spabond 730 is a fast curing structural adhesive designed for applications where reduced clamp times are important. It has a simple 1:1 by weight and volume mix ratio.

TYPICAL APPLICATIONS
Fit-out, finishing and repair.

PACK SIZES & AVAILABILITY
- Spabond 730 is available in 400ml cartridges. Cartridge guns and mix heads are also available on request.

Spabond 540
- Modified ambient curing epoxy adhesive designed for bonding polyester or epoxy laminates.
- Suitable for bonding polyester and epoxy parts
- Excellent bond to polyester & epoxy substrates
- Sag resistance of up to 30mm on a vertical face
- Resin and Hardener pigmented to give a visual indication of mix quality

INTRODUCTION
Spabond 540 is a modified ambient curing epoxy adhesive designed for bonding polyester or epoxy laminates. The Adhesive system is available with two resins; Spabond 540 resin is designed for larger gaps up to 30mm and Spabond 540LV for bond-line <20mm. Spabond 540LV is available in drums, pails and cartridges.

TYPICAL APPLICATIONS
The high toughness and excellent gap filling properties make this adhesive ideal for stringers/bulkheads, frames and hull-to-deck joints on medium to large production boats.

PACK SIZES & AVAILABILITY
- Spabond 540 is available in 600ml cartridges and 20/18.4kg resin/hardener quantities for bulk mixing/dispense. Cartridge guns and mix heads are also available on request.

SA 70
- Toughened Epoxy Adhesive Film
- Designed for bonding prepreg skins to honeycomb and certain foam cores

INTRODUCTION
SA 70 is an adhesive film that is designed for secondary bonding, core-bonding and for co-curing with the range of Gurit prepregs. It can be cured at temperatures as low as 70°C, or can be more quickly cured at temperatures above 120°C. The product has an out-life of 28 days.

TYPICAL APPLICATIONS
Suitable for bonding aluminium or foam cores in conjunction with SE 70 prepreg or Ampreg laminating systems.

PACK SIZES & AVAILABILITY
- SA 70 is available in 150, 250 and 400g resin films with or without* a glass carrier. Standard roll width is 1270mm and roll lengths vary between 63.5 and 127 sqm. Please check availability with your Customer Support representative.

* 150 and 250g only.
SA 80
Toughened Epoxy
Adhesive Film

- Low temperature cure
- Designed for bonding prepreg skins to honeycomb and certain foam cores
- Controlled flow for maximum bond integrity
- Toughened for impact resistance and peel strength

INTRODUCTION
SA 80 is an adhesive film that is designed for secondary bonding, core-bonding and for co-curing with the range of Gurit prepregs. It can be cured at temperatures as low as 80°C, or can be more quickly cured at temperatures above 120°C. It has an out-life of 56 days at room temperature.

TYPICAL APPLICATIONS
Suitable for bonding aluminum or foam cores in conjunction with SE 84, SE 85 & SE 90 prepreg or Ampreg laminating systems.

PACK SIZES & AVAILABILITY
SA 80 is available in 150, 250 and 400g resin films with or without* a glass carrier. Standard roll width is 1270mm and roll lengths vary between 63.5 and 127 sqm. Please check availability with your Customer Support representative.

*150 and 250g only

TECHNICAL INFORMATION AND PRICING
For more detailed information on adhesives, as well as the complete Gurit product portfolio, please visit: www.gurit.com to view the following:

- Product Data Sheets
- How to’ Videos
- News / Case Studies
- Composite Guides
- Events Schedules
- Representatives Contact Details
- Product Brochures
- Corporate Videos

For pricing or other enquiries, please contact contact@gurit.com