



# FLEXIVEIL

## For Compound Curved Molded Parts

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### Product Description

Flexiveil is a non-woven, continuous strand glass fiber surfacing veil for compound curved composite parts. Process applications include:

- Compression Molding
- Continuous Lamination
- Electrical Flat Sheet
- RTM / Vacuum Infusion
- Filament Winding
- Glass Reinforced Gypsum (GFRG)
- Other unique applications

### Binder Selection

Select correct binder for any specific molding process or application from the SI Veils Binder Selection Data Sheet.

### Appearance

SI Veils are white in color, highly uniform and substantially free of tears, holes, glass beads and tails or other foreign materials.

### Width

Standard widths range from 40 inches (1.016 m) up to 120 inches (3.048 m). Narrower widths are available, a slitting charge and minimum quantities may apply.

### Features

- Boron free glass fibers
- Outstanding surface finish results
- Light weight reinforcement

- Excellent resin wet-out
- Good electrical resistance properties
- Roll widths up to 120 inches
- Longer length rolls, thus reducing the number of rolls required to be put up while completing a project
- Customer specified binder percentage
- Corrosion resistance under acidic conditions. See Corrosion Data Sheet.
- Contamination free
- Consistent white color, transparent to the finished part
- Excellent punch-ability properties
- Easily sanded for improved post-finishing

### Options

Flexiveil offers many configuration options which helps to ensure a perfect match with your composites process.

Some customer specified options include:

- Weight per square foot/square meter
- Roll width
- Binder percentage
- Fiber orientation
- Fiber diameter
- Custom cut pieces
- Custom packaging
- Other options – Consult factory

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## Flexiveil Specifications

Other custom weights may be possible, consult factory for price and availability.

Flexiveil Specification	Thickness Inches (mm)	Ounces / Sq. Ft.	Grams / Sq. meter	Length - Feet (+/- 10 %)	Length m (+/- 10 %)	Roll Dia. Inches
10 mil	.010 (0.25)	0.12	40	1,200	370	16" - 20"
20 mil	.020 (0.51)	0.26	80	1,200	370	25" - 28"

Note: Rolls 80 inches or wider may be cut to half-length to maintain reasonable weight.

### Packaging

All veils are wound onto a heavy duty 3 inch I.D. cardboard core, immediately sealed against contamination in a polyethylene bag and identified with a unique, product specific label.

Based upon quantities, Flexiveil is shipped on wooden pallets, typically 9 rolls per pallet. Optional packaging is available.

All material is supplied in roll goods form with trimmed edges.

### Quality

All Flexiveil products are manufactured in the United States and meet the demanding quality requirements within the composites industry.

### Storage

For best results, Flexilveil should be stored indoors, with temperatures between 50° F (10° C) and 90° F (32° C) and relative humidity below 80%. It should remain upright, on a pallet and in the original packaging until ready to use.

### Warranty

See Schmelzer Industries' Standard Terms and Conditions.

### About Schmelzer Industries

Schmelzer Industries Inc., headquartered in Somerset, Ohio, is a glass fiber manufacturer, custom materials developer and supplier of quality veils and light weight reinforcements for the composites industry. We can be found on the internet at [www.siveils.com](http://www.siveils.com)

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