



FLEXIVEIL

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
- Filament Winding
- Glass Reinforced Gypsum (GFRG)
- RTM / Vacuum Infusion
- 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.

Product Widths

Standard widths range from 40 inches (1.016 m) up to 120 inches (3.048 m). Narrower widths are available; however 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
- Widest Roll Widths in the Industry
- 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
- Contamination free
- Consistent White Color, transparent to the finished part
- Excellent Punch-Ability Properties
- Easily Sanded for Improved Post-Finishing

Product 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
- Roll width
- Binder percentage
- Fiber orientation
- Fiber diameter
- Custom cut pieces
- Custom packaging
- Others – Consult factory

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 (0.254)	0.12	37.66	1,400 *	427 *	16" - 20"
20 mil	.020 (0.508)	0.25	76.40	1,400 *	427 *	25" - 28"
30 mil	.030 (0.762)	0.34	102.22	1,400 *	427 *	25" - 28"
1/2 Ounce	.040 (1.106)	0.50	152.79	865 *	264 *	23" - 25"

*Roll length may be reduced by 50% for any widths greater than 60 inches.

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 into the composites industry. We can be found on the internet at www.siveils.com

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