



# Superior

## COMPOSITES CO., LLC

### SURMAT

**DESCRIPTION:** Surmat is a continuous glass fiber surfacing veil comprised of highly uniform, randomly distributed filaments bonded with special formulated resins. The veil provides excellent surface appearance on glass reinforced plastic composite parts and also has outstanding corrosion resistance properties. Surmat is available for purchase in LAYER-PAK ® format.

**BINDER SYSTEM:** Can be produced with any of Superior’s binder systems.

**VISUAL APPEARANCE:** Surmat is a white in color, highly consistent and continuous filament glass fiber mat, supplied in rolls with trimmed edges. Each roll is significantly free of tears, holes, dirt, grease, foreign materials and non-uniform glass clumps or strands.

**SPECIFICATIONS: Imperial**

Mil Thickness Production Range	Roll Width Production Range	Roll Length Production Range	Roll Diameter Production Range	Nominal Binder Production Range
7 Mil / 2.6 gr. sq. ft. Through 30 Mil / 9.7 gr. sq. ft.	15” to 80” Per Customer Request	450’ to 950’ Based on Mil Thickness	15” to 24” Based on Mil Thickness	6% to 10% Based on Process Requirements
Tolerance (+/- 20%)	Tolerance (+/- .125”)	Tolerance (+/- 200’)	Tolerance (+/- 2”)	Tolerance (+/-2%)

**SPECIFICATIONS: Metric**

Mil Thickness Production Range	Roll Width Production Range	Roll Length Production Range	Roll Diameter Production Range	Nominal Binder Production Range
7 Mil / 28 gr. sq. m. Through 30 Mil / 104 gr. sq. m.	.4m to 2.2m Per Customer Request	137m to 290m Based on Mil Thickness	38cm to 61cm Based on Mil Thickness	6% to 10% Based on Process Requirements
Tolerance (+/- 20%)	Tolerance (+/- 3.2mm)	Tolerance (+/- 61m)	Tolerance (+/- 5cm)	Tolerance (+/-2%)

\*Weight per sq ft is the calculated average for each roll.

\*\* Widths of six inch through fourteen inch available upon request with additional slitting charge.

\*\*\*Binder percentage of total condensed mat before oven cure.

LAYER-PAK ® is a technique whereby several layers of surfacing mat are wound onto a single roll. Depending on mil thickness LAYER-PAK® rolls may be specified to contain up to five total layers.

**PACKAGING:** All mats are wound onto three (3) inch I.D. (7.62cm) heavy duty cardboard cores. Each roll is individually contained within a polyethylene sleeve while on the production line, placed on a 44” (11cm)X 45”(11.25cm) X 3.5”(88mm) wooden pallet and stretch wrapped for protection during shipment. Typically there are four to six (4-6) rolls per skid. Material 36-inch (91.4cm) wide or less may be double stacked on a skid.

Optional packaging methods are available. Additional charges may apply.

- A. Four (4) inch I.D. (10.2cm) heavy duty cardboard core.
- B. Cardboard box and skid.
- C. Vacuum packaging for 25% space reduction.
- D. Cardboard box, vinyl band with stretch wrap on skid.
- E. Other methods available upon request.

Each roll is individually marked with product designation, roll number, roll width, roll length and roll weight.

**STORAGE:** For best performance results, it is recommended that SURMAT products are stored at temperatures between 10° C and 35° C at relative humidity below 85%. SURMAT should remain in the original packaging materials until just prior to use.

**WARRANTY:** See Superior’s Terms and Conditions documentation.