

Product Information

KEMPEROL® Fleece (200,165,120)

Polyester Reinforcement Fleece for use with KEMPEROL® Membranes.

Product Description

KEMPEROL® Fleece is a non-woven, needle-punched fabric reinforcement used with KEMPEROL® cold liquid-applied reinforced unsaturated polyester, polyurethane and PMMA membrane systems.

Composition & Materials

KEMPEROL® fleece is a non-woven, needle-punched polyester fabric.

Use

KEMPEROL® fleece is used as a fabric reinforcement in KEMPEROL® cold liquid-applied reinforced unsaturated polyester, polyurethane and PMMA membrane systems to improve strength tear and puncture resistance while maintaining membrane uniformity.

Limitations

Fleece must be kept clean and dry prior to and during application.

Yield

110 s.f. (10.2 m²) of fleece per 100 s.f. (9.3 m²) of surface coverage.

Note: Allow 10% for 2" (5 cm) over-laps and for flashings and waste.

Storage

Always store in cool and dry location. Store flat to avoid deforming rolls and creasing fabric. Shelf life indefinite with proper storage.

For best use, 24 hours before application, the material is to be acclimated at temperatures between 65-70 °F (18-21 °C).

Precautions

Review Safety Dat^a Sheets before handling, available online at kempersystem.net.

Application

Mix and apply KEMPEROL® resin in strict accordance with KEMPEROL® resin instructions. Apply mixed resin liberally to the prepared surface with a roller using a broad, even stroke. Roll out dry polyester fleece onto the liquid resin mix, making sure the SMOOTH SIDE IS FACING UP (natural unrolling procedure). The fleece will begin to rapidly saturate with the liquid resin mix. Allow fleece to saturate with resin from bottom up prior to pouring additional resin on top of surface. Applying pressure, roll the fleece with a medium nap roller to eliminate air bubbles, wrinkles, etc. Apply additional liquid resin mix on top of fleece until fully saturated and continue to work resin. The correct amount of resin will leave no whiteness in fleece and there will be a slightly fibrous surface texture. However, allow no ponding or excessive build-up of the resin. The coating should be smooth and uniform.

Disposal

KEMPEROL® Fleece may be disposed of in standard landfills.

Fleece Properties

Physical Property	200	165	120
Color	White	White	White
Physical state	Solid	Solid	Solid
Thickness (165/200 fleece)	70 mils	50 mils	40 mils
Weight (g/m ²)	200	165	120
Tensile strength @ break	>2,200 lbs.	>1,775 lbs.	>1,550 lbs.
Elongation	>75%	>75%	>65%
Tear resistance	>885 lbs.	>665 lbs.	>530 lbs.
Puncture strength	>1,245 lbs.	>1,110 lbs.	>1,065 lbs.

Ordering Information

Sustainability Information	
Rapidly Renewable Resource	0%
Recycled Content % (post / pre)	0 / 0
Manufacture Location	Canada, Germany

Fleece Width	Fleece 200	Fleece 165	Fleece 120
41.3" (105 cm)	112 112 01	112 116 01	312 111 21
27.6" (70 cm)	-	112 116 02	312 111 23
20.7" (53 cm)	-	112 116 03	-
13.8" (35 cm)	-	112 116 04	-
10.3" (26 cm)	-	112 116 05	312 111 25
8.3" (21cm)	-	112 116 06	-
4.1" (10 cm)	-	112 116 07	-

KEMPEROL® Fleece is available in rolls 164 feet (50 m) long by 4, 8, 10, 13, 20, 27 and 41-inch nominal widths.