PARASOLO® PVC KEE FLEECE-BACK SHEETS: 50-60-80 MIL

Commercial Product Data Sheet

Parasolo® KEE is a single-ply membrane utilizing a PVC blend with DuPont's™ Elvaloy® Ketone Ethylene Ester (KEE) solid-phase flexibilizer and non-wicking polyester scrim reinforcement. Parasolo KEE Fleece-Back is heat weldable and has excellent fire and chemical resistance properties.

Contact Siplast for information on approved product uses.

USES:
FIELD SHEET
FLASHING SHEET

Standards	ASTM D4434 Standard Specification for Poly (Vinyl Chloride) Sheet Roofing (Type III)	
Roll Sizes	Full-Sheet 50-60 mil: 10 ft x 100 ft (3.05 m x 30.5 m) 80 mil: 10 ft x 80 ft (3.05 m x 24.38 m)	
	Half-Sheet 50-60 mil: 5 ft x 100 ft (1.52 m x 30.5 m) 80 mil: 5 ft x 80 ft (1.52 m x 24.38 m)	
Roll Weights (nom.)	50 mils	Full-Sheet 339 lb (154 kg) Half-Sheet 170 lb (77 kg)
	60 mils	Full-Sheet 400 lb (182 kg) Half-Sheet 200 lb (91 kg)
	80 mils	Full-Sheet 401 lb (182 kg) Half-Sheet 201 lb (91 kg)

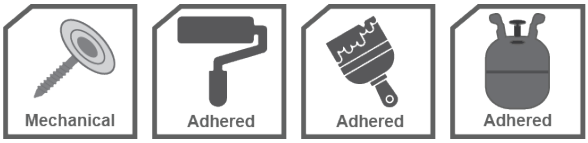
LEED Data	
Manufacturing Location	Cedar City, UT
SRI (Initial)	108
SRI (Aged*)	97

*Calculated based upon CRRC Rapid Ratings (www.coolroofs.org)

PRODUCT INFORMATION

Application

Refer to the applicable Siplast Technical Guide and applicable Siplast details for information on the application of Parasolo KEE Smooth-Surface membranes.



Storage and Handling

All Siplast roofing products should be stored on a clean, flat surface. All roofing products should be stored in a dry place out of direct exposure to the elements and should not be double stacked. Material should be handled so that it remains dry prior to and during installation.

Packaging

Rolls Per Pallet: 7 rolls (50 & 60 mil); 10 (rolls 80 mil)

Listings, Approvals, & Certifications

c UL us LISTED — FM APPROVED — CRRC COOL ROOF RATING COUNCIL

Classified by UL in accordance with ANSI/UL 790. Refer to UL Product iQ for specific assemblies.
FM Approved: Refer to RoofNav.com for specific assemblies.

Current copies of all Siplast Commercial Product Data Sheets & Safety Data Sheets are posted on our website at www.siplast.com
Rev Date 05/2023

PARASOLO® PVC KEE FLEECE-BACK SHEETS
Physical and Mechanical Properties

siplast® With you every step of the way

Property (as Manufactured)	Test Method	Test Method (min. value)	Values*		
			50 mils	60 mils	80 mils
Thickness (nom.)	ASTM D751	0.046" (1.14 mm)	50 mil (1.27 mm)	60 mil (1.52 mm)	80 mil (2.03 mm)
Thickness over Scrim (min.)	ASTM D7635	0.016" (0.4 mm)	18 mil (0.46 mm)	23 mil (0.58 mm)	33 mil (.84 mm)
Weight (lb/sf) (kg/m²) (nom.)	N/A	N/A	0.325 lb/ft^2 (1.59 kg/m^2)	0.386 lb/ft^2 (1.88 kg/m^2)	0.484 lb/ft^2 (2.37 kg/m^2)
Breaking Strength	ASTM D751	200 lbf (890 N) (MD & MCD)	>270 lbf (1201 N)	>270 lbf (1201 N)	>325 lbf (1446 N)
Breaking Strength (after heat aging)	ASTM D3045	90%	Pass	Pass	Pass
Elongation at Break	ASTM D751	15% (MD & CMD)	25%	25%	25%
Elongation at Break (after heat aging)	ASTM D3045	90%	Pass	Pass	Pass
Seam Strength	ASTM D751	75% (% of tensile or breaking strength)	Pass	Pass	Pass
Tearing-Strength	ASTM D751	45 lbf (200 N) (MD & MCD)	Pass	Pass	Pass
Low Temperature Bend	ASTM D2136	-40°C	Pass	Pass	Pass
Accelerated Weathering (Siplast Values**)	ASTM G154*	Pass	>38,366 KJ/m²	>38,368 KJ/m²	>38,370 KJ/m²
Dimensional Stability	ASTM D1204	≤0.5%	≤0.2%	≤0.2%	≤0.2%
Change in Weight after Water Immersion	ASTM D570	± 3%	Pass	Pass	Pass
Static Puncture Resistance	ASTM D5602	Pass	Pass	Pass	Pass
Dynamic Puncture Resistance	ASTM D5635	Pass	Pass	Pass	Pass
Initial Solar Reflectance (CRRC)	ASTM C1549	N/A	0.87		
Solar Reflectance (CRRC) (3-year aged)	ASTM C1549	N/A	0.82		
Initial Thermal Emittance (CRRC)	ASTM C1371	N/A	0.88		
Thermal Emittance (CRRC) (3-year aged)	ASTM C1371	N/A	0.88		
Solar Reflectance Index (SRI) (initial)	ASTM E1980	N/A	108		
Solar Reflectance Index (SRI) (3-year aged)	ASTM E1980	N/A	97		

*Values reported as typical with the exception of thickness and thickness over scrim which are minimum.
**At an irradiance level of 1.55 W/(m^2 .nm) at 340 nm.

Siplast
14911 Quorum Dr., Suite 600
Dallas, TX 75254

201 Bewicke Ave., Suite 208
North Vancouver, BC, Canada V7M 3M7

Customer Service in North America
1.800.922.8800 www.siplast.com