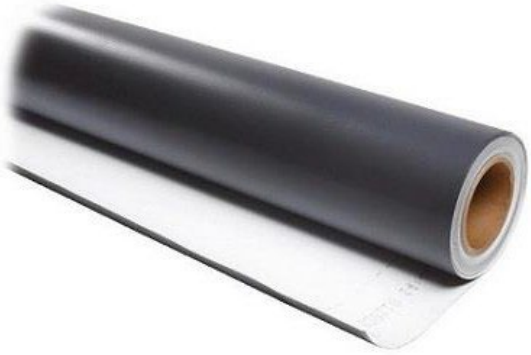
PARASOLO® PVC KEE MINIMUM SMOOTH-SURFACE SHEETS: 50-60-80 MIL

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 manufactured at a minimum thickness. Parasolo KEE 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 347 lb (158 kg) Half-Sheet 174 lb (78kg)
	60 mils	Full-Sheet 416 lb (189 kg) Half-Sheet 196 lb (89 kg)
	80 mils	Full-Sheet 437 lb (199 kg) Half-Sheet 219 lb (99 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

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 SMOOTH-SURFACE SHEETS
MINIMUM 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 (Min.)	ASTM D751	Minimum	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)	21 mil (0.533 mm)	27 mil (0.685 mm)	40 mil (1.02 mm)
Weight (lb/sf) (kg/m²) (nom.)	N/A	N/A	0.304 lb/ft^2 (1.49 kg/m^2)	0.363 lb/ft^2 (1.78 kg/m^2)	0.529 lb/ft^2 (2.59 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	>38,360 KJ/m²	>38,362 KJ/m²	>38,365 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.

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