



PARATECH 180 CAP

Commercial Product Data Sheet

Paratech 180 Cap is a modified bitumen finish ply of the Paratech two-ply modified bitumen roof system. Designed for use in homogeneous multi-layer modified bitumen roof membrane systems, Paratech 180 Cap consists of a 180-gram polyester mat impregnated and coated with a styrene-butadiene-styrene (SBS) modified bitumen blend and is surfaced with roofing granules. Approved for use as a protection course in the PA-750 Hot Applied Rubberized Asphalt system.

Contact Siplast for information on approved product uses.

USES: FINISH PLY FLASHING SHEET

| Standards | ASTM D6164 Type I, Grade G; CSA A123.23-15 Type B, Grade 1 |
|---|--|
| Roll Length (nominal) | 32.6 ft (10 m) |
| Roll Width (nominal) | 39.4 in (1.0 m) |
| Coverage Per Roll (Typical with 3" Side & End Laps) | 0.986 Squares (98.6 ft ²) (9.2 m ²) |
| Coverage Weight Per Square (nominal) | 105.1 lb (5.1 kg/m ²) |
| Selvage Width (nominal) | 3.25 in (83 mm) Line Color: White |
| Top Surfacing | Roofing Granules |
| Back Surfacing | Mineral Parting Agent |
| Granule Colors | White A-720, White I-720, Bright White (BW), Gray A-9, Gray I-760 |

PRODUCT INFORMATION

Application

Refer to the Siplast specifications for detailed application information and slope limitations. Paratech 180 Cap is lapped 3 inches (76 mm) side and end.



Storage and Handling

All Siplast roll roofing products should be stored on end on a clean flat surface. Rolls should not be dropped on ends or edges or stored in a leaning position. Deformation resulting from these actions will make proper installation difficult. 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.

See product packaging and the Safety Data Sheet for specific information on the safe handling of this product.

Packaging

Roll Weight (Nominal): 114 lb (51 kg)
Rolls Per Pallet: 23
Pallets Per Truckload (Typical): 15
Max Pallet Weight (Typical): 2820 lbs (1279 kg)

Listings, Approvals, & Certifications



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.
Meets or Exceeds CSA A123.23.

Current copies of all Siplast Commercial Product Data Sheets & Safety Data Sheets are posted on our website at www.siplast.com
Rev Date 5/2025

U.S. TEST STANDARDS

| Property (as Manufactured) | Values / MD | Values / XMD | Test Method |
|--|---|---------------|-------------|
| Thickness (average) | 157.5 mils (4.0 mm) | | ASTM D5147 |
| Peak Load @ 73.4°F (23°C) (average) | 85 lbf/in | 65 lbf/in | ASTM D5147 |
| Peak Load @ 0°F (-18°C) (average) | 115 lbf/in | 90 lbf/in | ASTM D5147 |
| Elongation @ Peak Load 73.4°F (23°C) (average) | 55% | 60% | ASTM D5147 |
| Elongation @ Peak Load 0°F (-18°C) (average) | 35% | 40% | ASTM D5147 |
| Ultimate Elongation 73.4°F (23°C) | 40% | 50% | ASTM D5147 |
| Tear Strength (average) | 125 lbf | 85 lbf | ASTM D5147 |
| Water Absorption (maximum) | 1% | | ASTM D5147 |
| Low Temperature Flexibility (maximum) | -15°F (-26°C) | -15°F (-26°C) | ASTM D5147 |
| Dimensional Stability (maximum) | <0.5% | <0.5% | ASTM D5147 |
| Compound Stability (minimum) | 240°F (116°C) | | ASTM D5147 |
| Granule Embedment | 1.5 grams per sample Max. avg. loss | | ASTM D5147 |
| | 2.0 grams per sample Max. individual loss | | |
| Cyclic Fatigue | Paratech 180 Cap bonded to an acceptable Paratech base sheet, with an approved method of attachment, passes ASTM D5849 both as manufactured and after heat conditioning, according to ASTM D5147. | | |

CANADIAN TEST STANDARDS

| Property (as Manufactured) | | CAS A123.23 Requirement | Tested Value | | | |
|---|----------------------------|-------------------------|--------------------------------|-----------|-------------------------------|-----------|
| Thickness – mm (mils) | | 3.3 (130) | 3.7 (145) | | | |
| *Selvage Thickness – mm (mils) | | 2.2 (85) | 2.5 (98) | | | |
| Mass Per Unit Area – kg/m ² (lbs/100 ft ²) | | 3.7 (75) | 5.1 (105) | | | |
| Back Surface Coating Thickness, min. – mm (mils) | | 1.0 (40) | 1.0 (40) | | | |
| | | | Before Heat Conditioning MD/XD | | After Heat Conditioning MD/XD | |
| Strain Energy, min. – kN/m (lbf/in) | @ 23 ± 2°C (73.4 ± 3.6°F) | 5.5 (31) | 5.5 (31) | 5.5 (31) | 5.5 (31) | 5.5 (31) |
| | @ -18 ± 2°C (-0.4 ± 3.6°F) | 3.0 (17) | 3.0 (17) | 3.0 (17) | 3.0 (17) | 3.0 (17) |
| Peak Load, min. – kN/m (lbf/in) | @ 23 ± 2°C (73.4 ± 3.6°F) | See Tested Value | 17.7 (101) | 10.0 (57) | 17.3 (99) | 10.3 (59) |
| | @ -18 ± 2°C (-0.4 ± 3.6°F) | | 23.6 (135) | 14.2 (81) | 21.9 (125) | 13.3 (76) |
| Elongation @ Peak Load, % | @ 23 ± 2°C (73.4 ± 3.6°F) | See Tested Value | 45 | 49 | 38 | 40 |
| | @ -18 ± 2°C (-0.4 ± 3.6°F) | | 38 | 41 | 34 | 33 |
| Ultimate Elongation @ 23 ± 2°C (73.4 ± 3.6°F), % | | See Tested Value | 46 | 55 | 39 | 41 |
| Dimensional Stability, max., % | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Low Temperature Flexibility, max. – °C (°F) | | -18 (-0.4) | -26 (-15) | -26 (-15) | -26 (-15) | -26 (-15) |
| Low Temperature Weathered Flexibility, max. – °C (°F) | | -12 (10) | -12 (10) | -12 (10) | -12 (10) | -12 (10) |
| Compound Stability, min. – °C (°F) | | 102 (215) | 116 (240) | 116 (240) | 116 (240) | 116 (240) |
| Resistance to Puncture | | Pass | Pass | | | |
| Granule Loss (Grade 1 only), max. – g (oz) | | 2.0 (0.07) | 1.9 (0.07) | | | |

Data is based upon typical product performance and is subject to normal manufacturing and packaging tolerance and variation.

*Measured on the selvage edge excluding the granule surfacing.

SOLAR REFLECTANCE / THERMAL EMITTANCE

| Property (as Manufactured) | Values | Test Method |
|----------------------------------|--------|-------------|
| **Solar Reflectance (avg.) | 0.74 | ASTM C1549 |
| **Thermal Emittance (avg.) | 0.91 | ASTM C1371 |
| **Solar Reflectance Index (avg.) | 92 | ASTM E1980 |

**Only applies to Bright White (BW) granule surfaced rolls.