



USES:
BASE PLY
FLASHING REINFORCING SHEET

PARATECH 250 BASE TG

Commercial Product Data Sheet

Paratech 250 Base TG is a modified bitumen base ply of the Paratech two-ply modified bitumen roof system. Designed for use in homogeneous multi-layer modified bitumen roof membrane systems, Paratech 250 Base TG consists of a 250-gram polyester mat impregnated and coated with a styrene-butadiene-styrene (SBS) modified bitumen. The top surface is covered with a mineral parting agent and the back surface is coated with an SBS modified bitumen adhesive layer specifically formulated for torch application, is embossed with a grooved pattern, and is surfaced with a polyolefin burn off film.

Contact Siplast for information on approved product uses.

PRODUCT INFORMATION

Application

Refer to the Siplast specifications for detailed application information and slope limitations. Paratech 250 Base TG 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): 105 lb (48 kg)

Max Pallet Weight (Typical): 2717 lbs (1233 kg)
Pallets Per Truckload (Typical): 16

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
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PARATECH 250 BASE TG

Physical and Mechanical Properties

U.S. TEST STANDARDS

| Property (as Manufactured) | Values / MD | Values / XMD | Test Method |
|--|---------------------|--------------|-------------|
| Thickness (average) | 153.5 mils (3.9 mm) | | ASTM D5147 |
| Peak Load @ 73.4°F (23°C) (average) | 135 lbf/in | 100 lbf/in | ASTM D5147 |
| Peak Load @ 0°F (-18°C) (average) | 160 lbf/in | 110 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) | 30% | 35% | ASTM D5147 |
| Ultimate Elongation 73.4°F (23°C) | 60% | 75% | ASTM D5147 |
| Tear Strength (average) | 165 lbf | 120 lbf | ASTM D5147 |
| Water Absorption (maximum) | 1% | | ASTM D5147 |
| Low Temperature Flexibility (maximum) | -15°F (-26°C) | 0°F (-26°C) | ASTM D5147 |
| Dimensional Stability (maximum) | <0.5% | <0.5% | ASTM D5147 |
| Compound Stability (minimum) | 240°F (116°C) | | ASTM D5147 |

CANADIAN TEST STANDARDS

| Property (as Manufactured) | Units | CAS A123.23 Requirement | Test Method | Test Performance |
|---|---|-------------------------|-------------|------------------|
| Thickness (minimum) | mm (mils) | 2.2 (85) | ASTM D5147 | 3.9 (153) |
| Selvage Thickness (minimum) | mm (mils) | 2.2 (85) | ASTM D5147 | 3.9 (153) |
| Mass Per Unit Area (minimum) | kg/m ² (lb/100 ft ²) | 2.6 (53) | ASTM D5147 | 4.2 (86) |
| Back Surface Coating Thickness (minimum) | mm (mils) | 1.0 (40) | ASTM D5147 | 1.0 (40) |
| *Strain Energy (Before After Heat Conditioning) | @ 23 ± 2°C (73.4 ± 3.6°F) | 5.5 (31) | CSA A123.23 | >5.5 (>31) |
| | @ -18 ± 2°C (-0.4 ± 3.6°F) | 3.0 (17) | | >3.0 (>17) |
| *Peak Load (Before and After Heat Conditioning) | @ 23 ± 2°C (73.4 ± 3.6°F) | See Tested Value | ASTM D5147 | >17 (>97) |
| | @ -18 ± 2°C (-0.4 ± 3.6°F) | | | >19 (>108) |
| *Elongation @ Peak Load (Before and After Heat Conditioning) | @ 23 ± 2°C (73.4 ± 3.6°F) | See Tested Value | ASTM D5147 | >54 |
| | @ -18 ± 2°C (-0.4 ± 3.6°F) | | | >34 |
| *Ultimate Elongation, (Before and After Heat Conditioning), @ 23 ± 2°C (73.4 ± 3.6°F) | % | See Tested Value | ASTM D5147 | >59 |
| Dimensional Stability (maximum) | % | 1.0 | ASTM D5147 | 1.0 |
| Low Temperature Flexibility (maximum) | °C (°F) | -18 (-0.4) | ASTM D5147 | -26 (-15) |
| Low Temperature Weathered Flexibility (maximum) | °C (°F) | N/A | ASTM D5147 | N/A |
| Compound Stability (minimum) | °C (°F) | 102 (215) | ASTM D5147 | 116 (240) |
| Resistance to Puncture | N/A | N/A | CSA A123.23 | N/A |
| Granule Loss | g (oz) | N/A | ASTM D5147 | N/A |

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

*The value reported is the lower of either MD or XD.