



PARADIENE® 20 HT SA

Commercial Product Data Sheet

Paradiene 20 HT SA is the modified bitumen base ply designed for use in homogeneous multi-layer modified bitumen roof membrane systems. Paradiene 20 HT SA consists of a fiberglass scrim/fiberglass mat impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen blend. The back surface is coated with a self-adhesive bitumen layer specifically formulated for optimum adhesion, and is lined with a high-strength polyolefin release film.

Contact Siplast for information on approved product uses.

**USES:
BASE PLY
FLASHING REINFORCING SHEET**

PRODUCT INFORMATION

| | |
|----------------------------|--|
| Standards | ASTM D6163 Type II, Grade S; CSA A123.23-15 Type A, Grade 1 |
| Roll Length | Min: 33.5 ft (10.21 m) |
| Roll Width | Avg: 3.28 ft (1.00 m) |
| Coverage | 1.0 Square (9.3 m ²) |
| Coverage Weight Per Square | Min: 72 lb (3.5 kg/m ²) |
| Selvage Width | Avg: 3 in (76 mm) |
| Selvage Surfacing | Polyolefin Release Tape |
| Top Surfacing | Silica Parting Agent |
| Back Surfacing | Polyolefin Release Film |
| Product Options | RoofTag |

Application

Refer to the Siplast Technical Guide for detailed application information and slope limitations. Paradiene 20 HT SA 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

Pallet: 41 in x 48 in (104 cm x 122 cm) wooden pallet
Rolls Per Pallet: 25
Pallets Per Truckload: 18
Minimum Roll Weight: 72 lb (32.7 kg)

Listings, Approvals, & Certifications



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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U.S. TEST STANDARDS

| Property (as Manufactured) | Values / Units | Test Method |
|---|--|-----------------------|
| Thickness (minimum) | 98 mils (2.5 mm) | ASTM D5147 Section 6 |
| Thickness (average) | 102 mils (2.6 mm) | ASTM D5147 Section 6 |
| *Peak Load @ 73.4°F (23°C) (average) | 80 lbf/inch (14.1 kN/m) | ASTM D5147 Section 7 |
| *Peak Load @ 0°F (-18°C) (average) | 150 lbf/inch (26.5 kN/m) | ASTM D5147 Section 7 |
| *Elongation @ Peak Load 73.4°F (23°C) (average) | 5% | ASTM D5147 Section 7 |
| *Elongation @ Peak Load 0°F (-18°C) (average) | 4% | ASTM D5147 Section 7 |
| *Ultimate Elongation @ 73.4°F (23°C) (average) | 55% | ASTM D5147 Section 7 |
| *Tear Strength (average) | 120 lbf (0.54 kN) | ASTM D5147 Section 8 |
| Water Absorption (maximum) | 1% | ASTM D5147 Section 10 |
| Dimensional Stability (maximum) | 0.1% | ASTM D5147 Section 11 |
| Low Temperature Flexibility (maximum) | -15°F (-26°C) | ASTM D5147 Section 12 |
| **Compound Stability (minimum) | 250°F (121°C) | ASTM D5147 Section 16 |
| Cyclic Fatigue | Paradiene 20 HT SA bonded to an acceptable Paradiene 30, Paradiene 40 FR, or Parafor 50 cap sheet, with an approved method of attachment, passes ASTM D5849 both as manufactured and after heat conditioning, according to ASTM D5147. | |

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

**The high temperature stability of the self-adhesive bitumen coating is 212°F (100°C).

CANADA TEST STANDARDS

| Property (as Manufactured) | Values / Units | Test Method |
|---|-----------------------------------|----------------|
| Thickness (minimum) | 2.5 mm (98 mils) | CSA A123.23-15 |
| Thickness (average) | 2.6 mm (102 mils) | CSA A123.23-15 |
| *Peak Load @ 23°C (73.4°F) (average) | 14.1 kN/m (80 lbf/inch) | CSA A123.23-15 |
| *Peak Load @ -18°C (0°F) (average) | 26.5 kN/m (150 lbf/inch) | CSA A123.23-15 |
| *Elongation @ Peak Load 23°C (73.4°F) (average) | 5% | CSA A123.23-15 |
| *Elongation @ Peak Load -18°C (0°F) (average) | 4% | CSA A123.23-15 |
| *Ultimate Elongation @ 23°C (73.4°F) (average) | 55% | CSA A123.23-15 |
| Dimensional Stability (maximum) | 0.1% | CSA A123.23-15 |
| Low Temperature Flexibility (maximum) | -26°C (-15°F) | CSA A123.23-15 |
| **Compound Stability (minimum) | 121°C (250°F) | CSA A123.23-15 |
| Mass Per Unit Area (minimum) | 72 lb/sq (3.5 kg/m ²) | CSA A123.23-15 |

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

**The high temperature stability of the self-adhesive bitumen coating is 212°F (100°C).