

## Commercial Product Data Sheet

### Product Description

Teranap is a high performance modified bitumen waterproofing ply designed for use in homogeneous multi-layer modified bitumen plaza deck waterproofing membrane systems. Teranap consists of a nonwoven polyester mat impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen. The surface of the sheet is protected by a polyester film.

### Product Uses

Teranap is the surface sheet in multi-layer plaza deck waterproofing systems, and is lapped 6 inches (15.2 cm) side and end. Teranap is torch applied to approved substrates. Contact Siplast for specific approval on other product uses.

*Current copies of all Siplast Commercial Product Data Sheets are posted on the Siplast Web site at [www.Siplast.com](http://www.Siplast.com).*

### COMMERCIAL PRODUCT INFORMATION

|                                      |             |                        |                          |
|--------------------------------------|-------------|------------------------|--------------------------|
| Unit:                                | Roll        |                        |                          |
| Coverage:                            | 4.0 Squares | (38.1 m <sup>2</sup> ) |                          |
| Coverage Weight Per Square:          | Min:        | 105 lb                 | (5.1 kg/m <sup>2</sup> ) |
| Roll Length:                         | Min:        | 65.6 ft                | (20 m)                   |
| Roll Width:                          | Avg:        | 6.56 ft                | (2.00 m)                 |
| Thickness:                           | Avg:        | 157 mils               | (4.0 mm)                 |
|                                      | Min:        | 154 mils               | (3.9 mm)                 |
| Selvage Width: 6 inches (152 mm)     |             |                        |                          |
| Selvage Surfacing: Polyolefin Film   |             |                        |                          |
| Top Surfacing: Polyester Film        |             |                        |                          |
| Back Surfacing: Silica Parting Agent |             |                        |                          |

Packaging: Rolls are wound onto a compressed paper tube. The rolls are placed upright in open-topped crates cushioned with cardboard and polystyrene.

Crate: 48 in X 48 in X 48 in open-topped wooden crate  
Number Rolls Per Crate: 9  
Number Crates Per Truckload: 10  
Shipping Weight Per Roll: 418 lb (189.6 kg)

Storage and Handling: All Siplast roll waterproofing products should be stored on end on a clean flat surface. Care should be taken that rolls are not dropped on ends or edges and are not stored in a leaning position. Deformation resulting from these actions will make proper installation difficult. All waterproofing should be stored in a dry place, out of direct exposure to the elements, and should not be double stacked. Material should be handled in such a manner as to ensure that it remains dry prior to and during installation.

# TERANAP

## Physical and Mechanical Properties

| Property<br>(as Manufactured)                                  | Values/Units               | Test<br>Method            |
|--|----------------------------|---------------------------|
| Thickness (minimum)  | 154 mils<br>(3.9 mm)       | ASTM D 5147<br>section 5  |
| Thickness (average)  | 157 mils<br>(4.0 mm)       | ASTM D 5147<br>section 5  |
| <sup>1</sup> Peak Load @ 73°F<br>(average)                     | 60 lbf/inch<br>(10.5 kN/m) | ASTM D 5147<br>section 6  |
| <sup>1</sup> Peak Load @ 0°F<br>(average)                      | 95 lbf/inch<br>(16.6 kN/m) | ASTM D 5147<br>section 6  |
| <sup>1</sup> Elongation @<br>Peak Load, 73°F<br>(average)      | 65%                        | ASTM D 5147<br>section 6  |
| <sup>1</sup> Elongation @<br>Peak Load, 0°F<br>(average)       | 40%                        | ASTM D 5147<br>section 6  |
| <sup>1</sup> Elongation at 5%<br>Peak Load @ 73°F<br>(average) | 95%                        | ASTM D 5147<br>section 6  |
| <sup>1</sup> Tear Strength<br>(average)                        | 100 lbf<br>(0.45 kN)       | ASTM D 5147<br>section 7  |
| Water Absorption<br>(maximum)                                  | 1%                         | ASTM D 5147<br>section 9  |
| Dimensional Stability<br>(maximum)                             | <1%                        | ASTM D 5147<br>section 10 |
| Low Temperature Flexibility<br>(maximum)                       | -15°F (-26°C)              | ASTM D 5147<br>section 11 |
| Compound Stability<br>(minimum)                                | 225°F (107°C)              | ASTM D 5147<br>section 15 |

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