

# SureMB 120 Base Ply



## Overview

Carlisle's SureMB 120 Base Ply is a premium SBS-modified asphalt base sheet. SureMB 120 Base Ply can be used wherever the specification calls for a membrane base ply in conjunction with a cap sheet of FleeceBACK® EPDM AFX, TPO AFX or KEE HP FRS. SureMB 120 Base Ply can also be used as an air barrier, vapor barrier, and temporary roof (for up to 60 days). Contact Design and Review if SureMB 120 Base Ply is to be used as a temporary roof for more than 60 days. SureMB 120 Base Ply meets or exceeds the requirements of ASTM D6163 Type 1, Grade S for SBS-modified bituminous sheet materials using glass fiber reinforcements.

## Features and Benefits

- » Excellent tensile strength and puncture resistance
- » Lay-flat characteristics offer easy installation without wrinkles
- » Excellent dimensional stability
- » Covered by Carlisle's Total System Warranties for up to 25 years
- » Can be exposed as a temporary roof for up to 60 days

## Installation

1. SureMB 120 Base Ply can be installed using Carlisle's SureMB Modified Cold Adhesive adhesive, ASTM D312 Type III or IV asphalt, or an approved modified asphalt.
2. When fastened in place, SureMB 120 Base Ply should overlap a minimum of 3" on both the edges and end laps.

*Review Carlisle specifications and details for complete installation information.*

## Precautions

- » Review any applicable Safety Data Sheets for complete safety information prior to use.
- » Use proper stacking procedures to ensure sufficient stability of the materials.
- » Keep dry. Store pallets on a flat surface, away from direct exposure to the elements.
- » Do not double-stack SureMB 120 Base Ply.

## Typical Properties and Characteristics

| Physical Property                           | Test Results   |
|---------------------------------------------|----------------|
| Tensile Strength, 0°F (MD/XMD)              | 120/110 lbf/in |
| Tensile Strength, 73°F (MD/XMD)             | 105/75 lbf/in  |
| Elongation (% @ Max Load), 0°F (MD/XMD)     | 4%             |
| Elongation (% @ Max Load), 73°F (MD/XMD)    | 3%             |
| Elongation (% @ 5% Max Load), 73°F (MD/XMD) | 5/7            |
| Tear Strength, (MD/XMD), 73°F, minimum      | 105/85 lbf     |
| Low Temperature Flexibility, (°F), maximum  | 0°F (-18°C)    |
| Dimensional Stability, %, maximum           | <0.2%          |
| Low Temperature Stability, (°F)             | 250°F (121°C)  |
| Water Vapor Permeance (ASTM E96)            | 0.012 perms    |

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

## LEED® Information

|                               |                |
|-------------------------------|----------------|
| Pre-consumer Recycled Content | 16.6%          |
| Manufacturing Location        | Fort Worth, TX |

## Packaging

|                 |                                |
|-----------------|--------------------------------|
| Product         | SureMB 120 Modified Base Sheet |
| Size/Weight     | 39 3/8" x 32' 9" / 88 lbs      |
| Actual Coverage | 100 ft²                        |

## Specifications

- » Width: 39 3/8" (1 m)
- » Length: 32' 9" (15 m)
- » Roll weight: 88 lbs/roll (40 Kg/m²)
- » Square feet per roll: 100 sq. ft. (9.29 m²)

## Ratings and Certifications

- » Meets ASTM D 6163 Type I, Grade S
- » FM Approved
- » Listed with Florida Building Code (FBC) FL-8077 and Texas Department of Insurance (TDI) RC-123