

COLPHENE® 3000

COLPHENE® 3000
PRODUCT #
D10209 (summer)
D10211 (winter)

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

COLPHENE 3000 is a self-adhered, SBS-modified bitumen membrane for use in approved waterproofing assemblies. COLPHENE 3000 is composed of a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen. The topside is surfaced with a tri-laminated woven polyethylene facer and the underside is surfaced with a silicone release film that is removed during application.

STORAGE

Store rolls on end and maintain in an upright position to prevent damage. Store rolls in a clean dry location and cover as necessary to protect rolls from environmental damage such as extreme cold, heat, or moisture. Monitor varying environmental conditions during storage, handling and application of COLPHENE 3000.

APPLICATION

Prior to installation, the substrate should be clean, sound, free of excess water and loose materials, grease and any contaminants which may compromise the performance of the product. Prep the surface with ELASTOCOL® Stick primer, ELASTOCOL® Stick Zero primer, or ELASTOCOL® Stick H20 primer. Peel back the top part of the release film. Adhere COLPHENE 3000 to the substrate, making sure the membrane is well aligned. Gradually peel back the remaining film, making sure the membrane is completely adhered using a membrane roller. The uppermost edge may be mechanically fastened using termination bars and sealed with SOPRAMASTIC SP1. Refer to SOPREMA's specifications and installation instructions for additional application guidelines.



APPLICATION



SELF-ADHERED

QUICK FACTS

| LENGTH (ft) | WIDTH (in) | COVERAGE* (ft²) | THICKNESS (mils) | ROLL WEIGHT (lb) | ROLLS/PALLET (pallet weight) |
|----------------|-----------------|--------------------|---------------------|---------------------|---------------------------------|
| 61 (18.6 m) | 39.4 (1.0 m) | 200.0 (18.6 m²) | 60 (1.5 mm) | 62 (28 kg) | 30 (1,960 lb/ 889 kg) |

* Coverage rate as reported assumes installation using side and end lap recommendations.



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TECHNICAL INFORMATION & TESTING

| SHEET PROPERTIES | |
|------------------------|---------------------------------|
| Top surfacing | Tri-laminate woven polyethylene |
| Back surfacing | Self-adhesive with release film |
| Selvage surface | Tri-laminate woven polyethylene |
| Selvage width, in (mm) | 3 (76) |
| End lap, in (mm) | 6 (152) |

| DIMENSIONS & MASS | | |
|---|-------------|-------------|
| PROPERTY | | TEST METHOD |
| Thickness, mils (mm) | 60 (1.5) | ASTM D5147 |
| Net mass per unit area, lb/100ft ² (g/m ²) | 33.5 (1636) | ASTM D5147 |

| PHYSICAL PROPERTIES | | | |
|---|----------------|--------------|------------------------|
| PROPERTY | MD | XMD | TEST METHOD |
| Tensile strength - membrane, die C, lb/in ² (kN/m ²) | 1066 (7350) | 600 (4137) | ASTM D412 ¹ |
| Elongation of rubberized asphalt, % | > 300 | | ASTM D412 ¹ |
| Tensile strength - film facer, lbf/in ² (kN/m ²) | 13455 (92769) | 8545 (58916) | ASTM D882 ¹ |
| Low temperature flexibility, °F (°C) | -40 (-40) | | ASTM D1970 |
| Lap adhesion, lbf/in (N/m) | 7 (1226) | | ASTM D1876 |
| Water absorption, max % | 0.2 | | ASTM D570 |
| Peel resistance, lbf/in ² (kN/m ²) | 7 (1226) | | ASTM D903 |
| Water vapor transmission, perms (ng/Pa·s·m ²) | 0.0194 (1.106) | | ASTM E96 (PROC. A) |
| | 0.0167 (0.952) | | ASTM E96 (PROC. B) |
| Crack bridging ability, 100 cycles, @ -26 °F (-32°C) | Pass | | ASTM C1305 |
| Resistance to hydrostatic head, min, ft (m) | 381 (114) | | ASTM D5385 |
| Puncture resistance, lbf (N) | 171 (761) | | ASTM E154 |

¹ The test is run at a rate of 2 in. per minute