



COLPHENE 3000

1.800.356.3521
www.soprema.us

ORDER NO.: D10210* (summer grade, boxed)
*Contact customer service for unboxed summer grade and unboxed winter grade.

TECHNICAL DATA SHEET

LENGTH (ft)	WIDTH (in)	COVERAGE ¹ (ft ²)	THICKNESS (mils)	WEIGHT (lb)	ROLLS/PALLET		
61	36	186.5	60	64	25		
(18.6 m)	(0.9 m)	(17.3 m ²)	(1.5 mm)	(29 kg)	units		

DESCRIPTION

Colphene 3000 is a self-adhesive waterproofing membrane. Colphene 3000 is composed of a proprietary high quality elastomeric styrene-butadiene-styrene (SBS) polymer-modified bitumen blend and a polyethylene woven composite facer. Colphene 3000 is used for vertical and horizontal waterproofing of foundation walls, tunnels, plaza decks, parking decks and split slab construction. The underside consists of a release film and self-adhesive bitumen layer for adhering to approved substrates. The top surface is a polyethylene woven composite facer.

APPLICATION

Starting at the low point, install Colphene 3000 to the primed substrate by peeling back the release film on the underside. Subsequent rolls shall be installed in the same manner and should be aligned with the preceding roll to maintain continuity. Use an approved roller and apply hand pressure over the entire surface to ensure solid adhesion to the substrate. The uppermost edge of the membrane shall be mechanically fastened to the substrate using approved fasteners and termination bars. Soprema recommends that all end laps and "T" joints be sealed using approved hot air welding techniques. All small protrusions (steel work, etc.) must be sealed with Sopramastic or Alsan Flashing.

See published specifications and approved details.

PACKAGING

Colphene 3000 is packaged 25 rolls per pallet. Colphene 3000 is available in "summer grade" for applications above 50°F (10°C) and "winter grade" for applications between 25°F (-4°C) and 50°F (10°C).

STORAGE

Store membrane rolls upright on a pallet and protected from the elements.

¹ Coverage rate as reported assumes recommended side lap installation.



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SHEET PROPERTIES

Reinforcement	none
Elastomeric bitumen	proprietary blend of bitumen and SBS polymers
Topside	tri-laminate woven polyethylene
Underside	self-adhesive with release paper
Selwege surface	tri-laminate woven polyethylene
Side lap	2 in (51 mm)
End lap	1.5 ft (457 mm)

PHYSICAL PROPERTIES

PROPERTY	VALUES	TEST METHOD
Thickness (average)	60 mils (1.5 mm)	-
Roll weight	64 lb (29 kg)	-
Dimension	18.7 x 1 m	-
Gross coverage	201.3 ft ² (18.7 m ²)	-
Net coverage	186.5 ft ² (17.3 m ²)	-
Tensile strength, film (average)	19500 lbf•in (2.2 N)	ASTM D 882
Tensile strength, membrane (average)	1624 lbf•in (0.18 N)	ASTM D 412
Elongation of rubberized asphalt (average)	> 1000%	ASTM D 412
Low temperature flexibility	Unaffected at -31°C	ASTM D 1970
Puncture resistance, membrane (average)	168 lb	ASTM E 154
Peel resistance (average)	20 lbf•in (0.0023 N)	ASTM D 903
Resistance to hydrostatic head	231 ft of water	ASTM D 751
Crack cycling at -32°C	Unaffected at 100 cycles	ASTM C 836
Lap peel adhesion (average)	11.4 lbf•in (0.0013 N)	ASTM D 1876
Water vapor permeance (average)	< 0.008 perms	ASTM E 96 Procedure B
Water absorption (maximum)	0.1%	ASTM D 570