



COLSTIX™ SELF ADHESIVE MEMBRANES

COLPHENE 1000 (72)**COLPHENE 1500 (72A)****COLPHENE GR (73)****COLPHENE HR GR (74)****COLPHENE FR GR (75)****COLPHENE HR FR GR (76)****Order No. D710****Order No. D720****Order No. 04666*****Order No. 06463*****Order No. 06362*****Order No. 06563***

*Cap sheet order numbers are for WHITE CAP SHEETS ONLY. Contact Customer Service or your Sales Representative for other available cap sheet colors and special order requirements.

DESCRIPTION & APPLICATION

COLSTIX™ Self Adhesive Colphene Membranes are composed of a special elastomeric modified bitumen blend of SBS and other Polymers, which is cast onto a polyethylene film or applied onto glass mat or glass mat/glass grid composite reinforcement. Base membrane plies have a self-adhesive underside with polyethylene film topside while the field cap membrane plies have a self-adhesive underside and granulated topside.

Specifiers use #1000 and #1500 membranes as vapor retarders, air barriers, and shingle or tile underlayment. The membranes are bonded to the properly prepared and/or primed substrate (where required) when the release film is removed and the self-adhesive underside is matted onto the approved substrate using applied pressure. Apply pressure to the membrane roll side and end laps to insure proper bonding to the substrate.

When a COLSTIX™ Colphene self-adhesive cap sheet is used in combination with either a #1000 or #1500 field base membrane ply, both layers MUST be installed the same day in order to qualify for warranty coverage.

When a Soprema Approved SA Primer is applied to a properly prepared, clean and dry high brush sanded field, inner ply or base flashing membrane ply surface and Soprema Sealant is applied to all side and end lap edges not having a bitumen bleed-out, a COLSTIX™ self-adhesive cap sheet can then be installed.

All self-adhesive side laps** are matted together and sealed using applied pressure. End laps and "T" Joints are sealed using hot air welding techniques or where applicable heat welding or flashing trowel grade cold adhesive.

Colphene cap sheets are also manufactured with fire retardant agents (FR) for UL and ASTM E-108 Class A Ratings. See published Specifications and Approved Details.

** Depending upon weather conditions including but not limited to ambient and self-adhesive material temperatures, humidity, wind, cloud and sun factors, the entire self-adhesive underside of the membrane including the seam area may need to be heat activated to insure acceptable adhesion and a watertight self-adhesive seam (roofer must test membrane and seam bonds to determine which method is required to insure proper bonding and watertight side and end laps). Certain weather conditions will require the side laps to be either heat welded or hot air welded closed. End laps and "T" Joints are sealed using hot air welding techniques or where applicable heat welding or flashing trowel grade cold adhesive.



TECHNICAL INFORMATION

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Rev 03/04

	Colphene GR Type I	Colphene HR GR Type II	Colphene FR GR Type I	Colphene HR FR GR Type II
Physical Property per ASTM D	6163	6163	6163	6163
Max Load at 0 ± 3.6°F lbf/in	91	175	91	175
Elongation at 0 ± 3.6°F %	4.5	8	4.5	8
Max Load at 73.4 ± 3.6°F lbf/in	41	134	41	134
Elongation at 73.4 ± 3.6°F %	4	10	4	10
Tear Strength at 73.4 ± 3.6°F lbf	73	130	73	130
Low Temperature Flex 0°F max	-5	-15	-5	-15
Dimensional Stability % max	<0.1	<0.1	<0.1	<0.1
Compound Stability Temp F	230	230	230	230
Granule Embedment g/max	0.8	0.8	0.8	0.8

Minimum values before and after Heat Conditioning
Test results for manufacturing plant in Wadsworth, OH



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COMPOSITION & PACKAGING

	COLPHENE 1000		COLPHENE 1500	COLPHENE GR, FR GR	COLPHENE HR GR, HR FR GR
	1 SQ	4 SQ			
Reinforcement	none		none	fiberglass	fiberglass scrim
Elastomeric Bitumen	selected blend of bitumen and SBS thermoplastic polymers				
Topside	polypropylene		polypropylene	colored granules	colored granules
Underside	self adhesive with release film				
Approx. Nominal Thickness	40 mils (1 mm)		60 mils (1.5mm)	140 mils (3.5 mm)	140 mils (3.5 mm)
Approx. Roll Coverage	1 sq	4 sq	2.1 squares	1 square	1 square
Side Lap	3"				
End Lap	6"				
Roll Length	33 ft	132 ft	33 ft	33 ft	33 ft
Roll Width	39 in	39 in	39 in	39 in	39 in
Roll Weight (approximate)	25 lbs	90 lbs	93 lbs	89 lbs	90 lbs
Rolls per Pallet*	30	16	30	25	25

* Rolls stocked upright on pallets

APPROVALS

See Underwriters Laboratories Inc. File #R11436, FM Approvals, ICC/ES, Miami-Dade County or Florida Building Code Product Approval Listings for current Approved Roof Assembly combinations. Soprema is ISO-9002.

WARRANTY

Contact your local SOPREMA representative for project warranty offerings.

GENERAL

SOPREMA is a Certified ISO 9002 worldwide producer of bituminous membranes with factories in Europe and North America. Waterproofing sheets have been produced by SOPREMA since 1908. Today, through a special mixture of components, SOPREMA membranes redefine the qualities indispensable to a high performance roof membrane: elasticity, flexibility, heat & fatigue resistance.

SOPREMA SBS modified bitumen membrane assemblies typically consist of base and top ply membranes that have specific type reinforcements in order to meet specific ASTM Standards. The two ply system provides a resistance to punctures and tears, as well as ensuring an effective distribution of stress points. The two ply system operates in a homogeneous fashion. The bitumen in each layer moves uniformly to offer continuous protection.