



# COLPHENE GR

COLPHENE GR (73)

Order No. 04666\*

\*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

Colphene GR Self Adhesive Membrane is composed of a special elastomeric modified bitumen blend of SBS and other polymers, which are applied onto glass mat or glass mat/glass grid composite reinforcement. Colphene GR has a self-adhesive underside and granulated topside. 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 Colphene GR 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. \*\*Heat welding may be required to seal the laps at colder temperatures.

See published Specifications and Approved Details.

## COMPOSITION & PACKAGING

Product/ Property	COLPHENE GR
Reinforcement	fiberglass
Elastomeric Bitumen	selected blend of bitumen and SBS thermoplastic polymers
Topside	colored granules
Underside	sanded
Approximate Nominal Thickness	136 mils (3.4 mm)
Approximate Roll Coverage	97.5 ft <sup>2</sup> (9.1 m <sup>2</sup> )
Side Lap	3" (76 mm)
End Lap	6" (152 mm)
Roll Length	33 ft (10 m)
Roll Width	39" (1 m)
Approximate Roll Weight	89 lbs (40 kg)
Rolls per Pallet*	25
* Rolls stocked upright on pallets	



## PHYSICAL PROPERTIES

Physical Property per ASTM D 6163, Type I, Grade G	MD	XD
Tensile - Max Load at $0 \pm 3.6^{\circ}\text{F}$ lbf/in	116	104
Elongation at $0 \pm 3.6^{\circ}\text{F}$ %	4.2	4.0
Tensile - Max Load at $73.4 \pm 3.6^{\circ}\text{F}$ lbf/in	57	57
Elongation at $73.4 \pm 3.6^{\circ}\text{F}$ %	4	4
Tear Strength at $73.4 \pm 3.6^{\circ}\text{F}$ lbf	82	73
Low Temperature Flex $^{\circ}\text{F}$ max	-15	-15
Dimensional Stability % max	<0.1	<0.1
Compound Stability Temp F	230	230
Granule Embedment g/max	0.8	0.8

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

## 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-9001:2000 Certified.

## GENERAL

SOPREMA is a Certified ISO 9001:2000 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.

## WARRANTY

Contact your local SOPREMA representative for project warranty offerings.