



# COLPHENE HR FR GR

COLPHENE HR FR GR (76)

Order No. 07065\*

\*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 HR FR GR Self Adhesive Membrane is composed of a special elastomeric modified bitumen blend of SBS and other polymers, which are applied onto composite mat reinforcement. Colphene HR FR 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 HR FR 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/<br>Property               | COLPHENE HR FR GR  |
|------------------------------------|--|
| Reinforcement                      | composite mat  |
| Elastomeric Bitumen                | selected blend of bitumen and SBS thermoplastic polymers |
| Topside                            | colored granules   |
| Underside                          | self-adhered   |
| Approximate Nominal Thickness      | 140 mils (3.5 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            | 90 lbs (41 kg)   |
| Rolls per Pallet*                  | 25   |
| * Rolls stocked upright on pallets |  |



## PHYSICAL PROPERTIES

| Physical Property per ASTM D 6164 & 6162,<br>Type I, Grade G | MD   | XD   |
|--|------|------|
| Tensile - Max Load at 0 ± 3.6°F lbf/in                       | 102  | 79   |
| Elongation at 0 ± 3.6°F %                                    | 51   | 58   |
| Tensile - Max Load at 73.4 ± 3.6°F lbf/in                    | 74   | 64   |
| Elongation at 73.4 ± 3.6°F %                                 | 59   | 72   |
| Tear Strength at 73.4 ± 3.6°F lbf                            | 97   | 125  |
| Low Temperature Flex °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 9001:2008 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.