COLVENT 180 TG GR

COLVENT 180 TG GR (91) Order No. 01998

DESCRIPTION & APPLICATION

Colvent 180 TG GR is a semi-adhered heat welded field cap membrane ply with a special elastomeric modified bitumen blend of SBS and other polymers. This blend is applied onto specific non-woven polyester reinforcement with specific venting patterns of heat activated ribbon strips bonded to the underside along with a granular topside. The underside SBS ribbon strips are covered with a burn-off film. An open flame device (Approved SBS membrane torch) melts away the film and activates the ribbon strips while the membrane is unrolled on to the properly prepared and/or primed substrate.

The ribbon strip-venting designs to enhance stress distribution at the substrate while the vapor diffusion reduces the chances of blistering. This Colvent cap sheet design enhancements make these membranes idea for recover applications over properly prepared substrates.

When a Soprema Approved Primer is applied to a properly prepared, clean and dry top surface, the Colvent 180 TG GR is installed. A thermal bond between the membrane and the substrate is created when the underside SBS ribbon strips are heat welded to the prepared surface. Heat welded side laps with burn-off film are sealed when the burn-off film is melted away as the roll is being adhered. The side laps are matted together and sealed using applied pressure. End laps and "T" joints are sealed using hot air welding or heat welding techniques. See published Specifications and Approved Details.

COMPOSITION & PACKAGING

Product/ Property	**COLVENT 180 TG GR**
Reinforcement	non-woven polyester
Elastomeric Bitumen	selected blend of bitumen and SBS thermoplastic polymers
Topside	granules
Underside	heat activated bitumen ribbon strips with burn-off film
Approximate Nominal Thickness	140 mils (3.5 mm)
Approximate Roll Coverage	97.5 ft² (9.1 m²)
Side Lap	3" (76 mm)
End Lap	6" (152 mm)
Roll Length	33 feet (10 m)
Roll Width	39-3/8" (1 m)
Approximate Roll Weight	105 lbs (47.6 kg)
Rolls per Pallet*	25
* Rolls stacked upright on pallets	

PHYSICAL PROPERTIES

Physical Property per ASTM D 6164, Type I, Grade G	MD	XD
Tensile - Max Load at 0 ± 3.6°F lbf/in	117	83
Elongation at 0 ± 3.6°F %	29	22
Tensile - Max Load at 73.4 ± 3.6°F lbf/in	70	70
Elongation at 73.4 ± 3.6°F %	56	61
Tear Strength at 73.4 ± 3.6°F lbf	120	87
Low Temperature Flex °F max	-15	-13
Dimensional Stability % max	<0.5	<0.5
Compound Stability Temp F	250	250
Granule Embedment g/max	<2.0	<2.0

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-9001:2008 Certified.

WARRANTY

Contact your local SOPREMA representative for project warranty offerings.

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.