COLVENT FLAM 180 TG

COLVENT FLAM 180 TG (78C) Order No. 00375

DESCRIPTION & APPLICATION

Colvent Flam 180 TG is a semi-adhered field base membrane ply with a special elastomeric modified bitumen blend of SBS and other polymers. This is applied onto a polyester reinforcement with a specific venting pattern of heat activated ribbon strips bonded to the underside along with a plastic film topside. The membrane is bonded to the properly prepared and/or primed substrate. The ribbon strips are adhered by an open flame device (Approved SBS membrane torch) which melts away the film and activates the ribbon strips while the membrane is unrolled onto the substrate.

The ribbon strip-venting design enhances stress distribution at the substrate while the vapor diffusion reduces the chance of blistering. The plastic film surface on the Colvent Flam 180 TG membrane topside allows for inner ply or cap sheet membranes to be bonded by the heat welding application method.

General application methods include applying pressure to all the membrane roll ends to insure proper bonding to the substrate. 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 mated together and sealed using applied pressure. End laps and “T” joints are sealed using hot air welding techniques.

See published Specifications and Approved Details.

COMPOSITION & PACKAGING

Product/ Property	**COLVENT FLAM 180 TG**
Reinforcement	polyester
Elastomeric Bitumen	selected blend of bitumen and SBS thermoplastic polymers
Topside	plastic film
Underside	heat activated bitumen ribbon strips with burn-off film
Approximate Nominal Thickness	120 mils (3.0 mm)
Approximate Roll Coverage	97.5 ft² (9.1 m²)
Side Lap	3” (76 mm)
End Lap	6” (152 mm)
Roll Length	33 ft (10 m)
Roll Width	39” (1 m)
Approximate Roll Weight	84 lbs (38.1 kg)
Rolls per Pallet*	25
* Rolls stocked upright on pallets	

PHYSICAL PROPERTIES

Physical Property per ASTM D 6164, Type I, Grade S	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	-15
Dimensional Stability % max	<0.5	<0.5
Compound Stability Temp F	250	250
Granule Embedment g/max	NA	NA
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.

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.