ELASTOPHENE® HS FR GR

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

ELASTOPHENE HS FR GR (high strength, fire retardant, granulated) is an SBS-modified bitumen cap ply for use in approved multi-ply membrane and flashing assemblies. ELASTOPHENE HS FR GR is composed of a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen and is reinforced with a tough, dimensionally stable composite polyester/glass fiber reinforcement. The topside is surfaced with ceramic coated granules and the underside is surfaced with fine mineral aggregate to facilitate cold adhesive application.

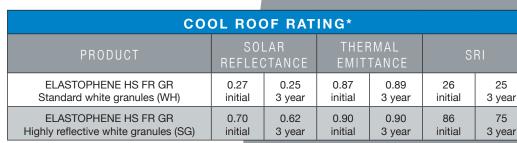
ELASTOPHENE HS FR GR includes the standard white granules. Contact SOPREMA® Customer Service or your sales representative for other granule color options and special order requirements.

STORAGE & HANDLING

Store rolls on end and maintain in an upright position to prevent damage. Store rolls in a clean dry location and cover as necessary to protect rolls from environmental damage such as extreme cold, heat, or moisture. Monitor varying environmental conditions during storage, handling and application of ELASTOPHENE HS FR GR.

APPLICATION

Prior to installation, unroll ELASTOPHENE HS FR GR onto the roof surface and allow to relax. Place ELASTOPHENE HS FR GR in desired position and back roll the product. Apply approved cold adhesive following manufacturer specifications. ELASTOPHENE HS FR GR is then rolled into the cold adhesive subsequently rolled with a weighted roller. Refer to the SOPREMA SBS Roofing Guide for additional application guidelines.



* CRRC Rapid Ratings. Refer to Cool Roof Ratings Council (CRRC).

ACTS	ASTM	LENGTH	WIDTH	COVERAGE*	THICKNESS	ROLL WEIGHT	ROLLS/PALLET
	STANDARD	(ft)	(in)	(ft ²)	(mils)	(lb)	(pallet weight)
QUICK F	D6162 Type 3, Grade G	32.8 (10.0 m)	39.4 (1.0 m)	97.9 (9.1 m ²)	145 (3.7 mm)	105 (47.7 kg)	25 (2,675 lb/ 1,213 kg)

* Coverage rate as reported assumes installation using side and end lap recommendations.



COLD ADHESIVE

www.soprema.us

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ELASTOPHENE® HS FR GR **PRODUCT #01005 (WH)** #05015 (SG)



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ELASTOPHENE® HS FR GR

TECHNICAL INFORMATION & TESTING

SHEET PROPERTIES						
Reinforcement	Composite polyester/glass fiber					
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers					
Top surfacing	Ceramic coated granules					
Back surfacing	Sanded					
Selvage surface	Sanded					
Selvage width, in (mm)	3 (76)					
End lap, in (mm)	6 (152)					

DIMENSIONS & MASS							
PROF	TEST METHOD						
Thickness, mils (mm)	145 (3.7)	ASTM D5147					
Thickness @ selvage, mils (mm)	106 (2.7)	ASTM D5147					
Net mass per unit area, lb/100 ft2 (g/m2)	88 (4300)	ASTM D5147					

PHYSICAL PROPERTIES							
PROPERTY	MD	XMD	TEST METHOD				
Peak load @ 0°F (-18°C), lbf/in (kN/m)	405 (70.8)	375 (65.6)	ASTM D5147				
Elongation at peak load @ 0°F (-18°C), %	7	8	ASTM D5147				
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	290 (50.8)	285 (49.9)	ASTM D5147				
Elongation at peak load @ 73.4°F (23°C), %	10	10	ASTM D5147				
Ultimate Elongation @ 73.4°F (23°C)	15	20	ASTM D5147				
Tear strength @ 73.4°F (23°C), lbf (N)	540 (2402)	550 (2447)	ASTM D5147				
Low temperature flexibility, °F (°C)	-15 (-26)	-15 (-26)	ASTM D5147				
Dimensional stability, %	< 0.5	< 0.5	ASTM D5147				
Compound stability, °F (°C)	240 (116)	240 (116)	ASTM D5147				
Granule embedment, g	1.5 avg; 2.0	ASTM D5147					

TESTING & APPROVALS



