

GS ELASTO 4F

EN 13707

0679-CPD-0128



Last update 1/01/2021

Cancels and replaces

17/12/2014

Production site: KSA

Technical ref.: ASTM-D6164

PRESENTATION	GS ELASTO 4F is a 4 mm SBS bitumen membrane. It is reinforced with a polyester. Both faces of GS ELASTO 4F are finished with a thermofusible film.
USAGE	A high performance waterproofing membrane special designed for low temperature climates where its retained malleability makes it easy to apply. It is also most suitable for foundation works and basements where high flexibility is needed for shaping corners etc..
Application	foundations, basements, wet area, roof, car parks, tank lining, swimming pools, airport aprons, ramp areas and others.
LAY OUT	To torch out.
STORAGE	Rolls to be stored upright, without stacking and under cover.
COMPOSITION	(for information)

Packaging : Roll dimensions: 10X1m-Roll/pallet :20
Reinforcement : Stabilised Spunbonded non woven
Polyester 200 ±10
Binder : SBS (Styrene Butadiene Styrene)
Finishing uperside : Thermo fusible plastic film
Finishing underside : Thermo fusible plastic film

CHARACTERISTICS				VALUES	Tolerance	
		NORMS	UNITS		Min	Max
Dimensions	Length	EN 1848-1	m	10	-1%	
	Width		m	1	-1%	
	Straightness		-	Pass		
Thickness		UEATc	mm	4.00	3.80	4.20
Penetration @ 25 c		ASTM D 5	dmm	35.00	30.00	45.00
Softening Point		ASTM D 36	°C	125.00	115.00	135.00
Visual defects	Before artificial ageing	EN 1850-1	-	Without		
	After Artificial ageing according to EN 1297		-	NA		
Tear Strength	longitudinal	ASTM D 5147	N	637	400	700
	transverse			445	300	700
Tear Strength	longitudinal	UEATc	N	250	200	300
	transverse			275	200	300
Tensile properties : maximal tensile strength	longitudinal	ASTM D5147	N/50 mm	1000	800	1100
	transverse			750	500	800
Tensile properties : maximal elongation	longitudinal	ASTM D5147	%	50	35	55
	transverse			50	40	55
Puncture Resistance	Puncture Resistance N @ 25 C	ASTM E 154	N	1050	900	1100
	Static	UEATc	----	L ₄	≥	
	Dynamic			l ₄	≥	
Lap joint strength, N/5 cm	longitudinal	UEATc	N/50mm	900	700	1000
	transverse			600	400	700
Flexibility at low temperature (pliability)	Surface	ASTM D 5147	°C	-20	≤	
	Underside					
Flow resistance at elevated temperature	Before artificial ageing	EN 1110	°C	110	≥	
	After Artificial ageing according to EN 1296			>110	102	125
Dimensional stability		ASTM D5147	%	0.5	0.1	0.6
Water vapour Transmission g/ m2/ 24 hrs		ASTM E 96		< 0.2		
Resistance to aging & U.V		ASTM G53/UNI 8202		no change greater than 20%		
Water absorption % wt		ASTM D 570	-	0.1	≤1	

NOTE Depending on client request and specification it may come in various grades: -15 deg C, -20 deg C

The above shown technical data are typical results obtained to the best of our knowledge from our quality control records extra details can be provided upon request