

GS DELTAFLEX180 - 4F

EN 13707

0679-CPD-0128



Last update 17/12/2014

Concels and replaces
21/04/2013

Production site: KSA

Technical ref.: SASO-ASTM-D6164

PRESENTATION	GS DELTAFLEX 180- 4F is a 4 mm SBS bitumen membrane.It is reinforced with a polyester.Both faces of GS DELTAFLEX 180 4F are finished with a thermofusible film.
USAGE	Ahigh performance water roofing membrane special designed for low temperture climates where its retained malleability makes it easy to apply at sub-zero temperatures.it is also most suitable for foundation works and basements where high flexibility is needed for shaping corners etc..
Application	foundations,basements,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 180 ±10
Binder : SBS (Styrene Butadiene Styrene)
Finishing upside : Thermo fusible plastic film
Finishing underside : Thermo fusible plastic film

CHARACTERISTICS					Tolerance	
		NORMS	UNITS	VALUES	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	450	350	550
	transverse			350	250	450
Tear Strength	longitudinal	UEATc	N	180	160	220
	transverse			200	180	250
Tensile properties : maximal tensile strength	longitudinal	ASTM D5147	N/50 mm	800	600	900
	transverse			550	450	650
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	900	800	1000
	Static	UEATc	----	L4	≥	
	Dynamic			I4	≥	
Lap joint strength, N/5 cm	longitudinal	UEATc	N/50mm	700	500	800
	transverse			500	400	600
Flexibility at low temperature (pliability)	Surface	ASTM D 5147	°C	-10	≤	
	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 5147	-	0.1	0.1	0.5

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



+971505370102



Office No.8M, Hor Al Anz East, Dubai



info@cctconstructiontechnologies.com