

GS EXCELL 4F

EN 13707

0679-CPD-0128



Last update 1/1/2021

Replaces and replaces

17/12/2014

Production site KSA

Technical ref.: ASTM D6222

PRESENTATION GS EXCELL 4F is a 4MM APP bitumen membrane. It is reinforced with a polyester. Both faces of GS EXCELL 4F are finished with a thermofusible film.

USAGE GS EXCELL 4F is a universal, all purpose membrane, excellent in a single layer or multilayer roofing systems, underground waterproofing multi-story car parks, pond lining, irrigation canals lining, swimming pools or any structure that requires high performance waterproofing

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 nonwoven Polyester 180±10 GSM

Binder : APP
Finishing upside : Thermo fusible plastic film
Finishing underside : Thermo fusible plastic film

CHARACTERISTICS					Tolerance		
			NORMS	UNITS	VALUES	Min	Max
Dimensions		Length	UEAtc	m	10	-1%	
		Width		m	1	-1%	
		Straightness		-	Pass		
Thickness			UEAtc	mm	4.00	3.80	4.20
Softening Point			ASTM D36	°C	156	150	158
Penetration @ 25 C			ASTM D5	dmm	20.00	15.00	25.00
Visual defects		Before artificial ageing		-	Without		
Resistance to tearing		longitudinal	ASTM D5147	N	500	400	600
		transverse			400	300	500
Resistance to tearing		longitudinal	UEAtc	N	210	180	220
		transverse	UEAtc		230	200	250
Tensile properties : maximal tensile strength		longitudinal	ASTM D5147	N/50 mm	800	600	900
		transverse			650	500	750
Tensile properties : maximal elongation		longitudinal	ASTM D5147	%	45	35	50
		transverse			50	40	55
lap joint strength N/50 mm		longitudinal	UEAtc	N/50 mm	800	600	900
		transverse	UEAtc		650	500	750
Flexibility at low temperature (pliability)	Surface		ASTM D 5147	°C	-5	≤	
	Underside				-5	≤	
Flow resistance at elevated temperature		Before artificial ageing	ASTM D5147	°C	>130	≥	
		After Artificial ageing according to EN 1296			>130	110	155
Puncture Resistance		Puncture resistance N @ 25C	ASTM E 154	N	1000	900	1100
		Static Indentation	UEATc		L4	≥	
		Dynamic Indentation			I4		
Dimensional stability			ASTM D5147	%	0.5	≤1	
Water Absorption			ASTM D570	%	0.1	≤1	
Water vapour properties		Water vapor transmission	ASTM E96/95	-	< 0.2		
		Water permeability		-	< 0.2		

NOTE 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 depending on client request and specification it may come in various grades : 0 °C , -5 °C , -10 °C