

GS PLASTO 4F

Technical ref.: ASTM D6222

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

USAGE GS PLASTO 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 200±10 GSM
Binder : APP
Finishing upside : Thermo fusible plastic film
Finishing underside : Thermo fusible plastic film

CHARACTERISTICS

CHARACTERISTICS			NORMS	UNITS	VALUES	Tolerance	
						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	600	400	700	
	transverse			450	300	500	
Resistance to tearing	longitudinal	UEAtc	N	245	200	300	
	transverse	UEAtc		275	200	300	
Tensile properties : maximal tensile strength	longitudinal	ASTM D5147	N/50 mm	1100	800	1200	
	transverse			800	600	900	
Tensile properties : maximal elongation	longitudinal	ASTM D5147	%	50	35	55	
	transverse			50	40	55	
lap joint strength N/50 mm	longitudinal	UEAtc	N/50 mm	1100	800	1200	
	transverse	UEAtc		800	600	900	
Flexibility at low temperature (pliability)	Surface	ASTM D 5147	°C	-6	≤		
	Underside			-6	≤		
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 @25 c	ASTM E 154	N	1155	1100	1300	
	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	g/m²/24hrs	< 0.2			
	Water permeability		g/m²/24hrs	< 0.2			
Resistance to aging &U.V (Weather -o- Meter 2000 hrs)		ASTM G53 UNI 8202		NO change greater than 20 % of the original values			

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