

BITUSMART

DECLARATION OF PERFORMANCE

No: DOP-09-B027-2023-08-03

1.	Identification Code	Bitusmart FP-M
2.	Batch number allowing identification of the construction product	FP4M, FP45M (Refer to the product label)
3.	Intended use	■ EN 13707 Reinforced bitumen sheets for roof waterproofing
4.	Manufacturer	ONDULINE AVRASYA İNŞAAT MALZEMELERİ A.Ş. Head Office: Değirmen Sokak, Nida Kule, N.12 K.8 34742, Kozyatağı, Kadıköy/ İstanbul Plant: PK:2 Sapanca 54600 Sakarya/ Turkey Tel: +90 216 384 16 00 Web : www.onduline.com.tr
5.	Authorised representative	NA
6.	System of assessment and verification constancy of performance of the product	System 2+
7.	Product covered by the harmonised standards	ITC, Plc notified body N° 1023 The initial inspection of factory production control, the continuous surveillance, assessment, and evaluation of FPC and issued the certificate of conformity of the FPC. EN 13707 Certificate No: 1023-CPR-0042 F
8.	European Technical Assessment	NA

9. Declared Performance					
Essential characteristics	Unit	Tolerance	FP4M	FP45M	Harmonised Technical Specification
Mass per unit area	kg/m ²	±10%	4	4,5	EN 13707:2004+ A2: 2009
Length	m	min (-0,03)	10	10	
Width	m	min (-0,02)	1	1	
Straightness			pass	pass	
Flexibility at low temperature	°C	≤	-5	-5	
Tensile strength (MD/CD)	N/50mm	± 50%	500/300	500/300	
Elongation (MD/CD)	%	(-12); +25 / (-15); +25	15/30	15/30	
Resistance to impact	mm	min	250	300	
Shear resistance of joints	N/50mm	± 35%	400	400	
Resistance to tearing (nail shank)	N	± 35%	100	120	
Reaction to fire	class		E	E	
Water vapour properties		min	20.000	20.000	
Dangerous substances	one/none		none	none	
Watertightness	10kPa		pass	pass	
Resistance to static loading Mt.A	kg		5	10	
Flow resistance at elevated temperature	°C	≥	110	110	
Peel resistance of joints	N/50mm		NPD	NPD	
External fire performance	class		B _{roof} (t ₂)	B _{roof} (t ₂)	
Form stability under cyclic temp. change	%		NPD	NPD	
Watertightness after stretching			NPD	NPD	
Resistance to root penetration			NPD	NPD	
Artificial ageing +Cold flexibility	°C	± 5	0	0	
Artificial ageing +Flow resistance	°C	± 10	100	100	
Adhesion of granules	%	≤	30	30	
Dimensional stability	%		NPD	NPD	

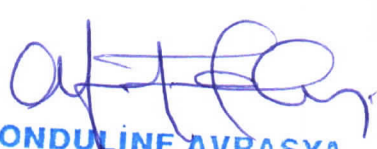
NPD: No Performance Determined

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in paragraph 9.
This declaration of performance is issued under the sole responsibility of the manufacturer identified in paragraph 4.

Signed for and on behalf of the manufacturer by:

Ahmet Fevzi TÜFEKÇİ
Plant Manager

Sapanca 4.08.2023


ONDULINE AVRASYA
İNŞAAT MALZEMELERİ SANAYİ ve TİCARET A.Ş.