

# BITUSMART

## DECLARATION OF PERFORMANCE

No: DOP-09-B025-2023-08-03

1.	Identification Code	Bitusmart FP-D
2.	Batch number allowing identification of the construction product	FP3D, FP4D (Refer to the product label)
3.	Intended use	<ul style="list-style-type: none"><li>■ <b>EN 13707</b> Reinforced bitumen sheets for roof waterproofing</li><li>■ <b>EN 13969</b> Flexible sheets for waterproofing- Bitumen damp proof sheets including bitumen basement tanking sheets (Type T)</li></ul>
4.	Manufacturer	<b>ONDULINE AVRASYA İNŞAAT MALZEMELERİ A.Ş.</b> <u>Head Office:</u> Değirmen Sokak, Nida Kule, N.12 K.8 34742, Kozyatağı, Kadıköy/ İstanbul  <u>Plant:</u> PK:2 Sapanca 54600 Sakarya/ Turkey  Tel: +90 216 384 16 00 Web : <a href="http://www.onduline.com.tr">www.onduline.com.tr</a>
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	<b>ITC, Plc notified body N° 1023</b> 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 EN 13969 Certificate No: 1023-CPR-0043F
8.	European Technical Assessment	NA

9. Declared Performance						
Essential characteristics	Unit	Tolerance	FP3D	FP4D	Harmonised Technical Specification	
Mass per unit area	kg/m <sup>2</sup>	±10%	3	4	EN 13707:2004+ A2: 2009 & EN 13969:2004 +A1: 2006	
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	300	400		
Shear resistance of joints	N/50mm	± 35%	400	400		
Resistance to tearing (nail shank)	N	± 35%	100	125		
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		NPD	NPD		
Flow resistance at elevated temperature	°C	≥	110	110		
Peel resistance of joints	N/50mm		NPD	NPD		
External fire performance	class		NPD	NPD		
Form stability under cyclic temp. change	%		NPD	NPD		
Watertightness after stretching			NPD	NPD		
Resistance to root penetration			NPD	NPD		
Artificial ageing +Cold flexibility	°C		NPD	NPD		
Artificial ageing +Flow resistance	°C		NPD	NPD		
Adhesion of granules	%		NPD	NPD		
Dimensional stability	%	≤	1	1		
Watertightness -Type T (60kPa)			pass	pass	EN 13969:2004 +A1: 2006	
Resistance to static loading Mt.B	kg	min	5	10		
Durability (Type T )			pass	pass		

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

Sakarya, 4.08.2023

  
**ONDULINE AVRASYA**  
HİSAAT MALZEMELERİ SANAYİ ve TİCARET A.Ş.