

**TECHNICAL DATA SHEET
DECLARATION OF PERFORMANCE**

Place and Date of Issue: Turkiye, March 2023

1. Identification code of the product type	SOLSTICE POLYCARBONATE MULTIWALL SHEET	
2. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer	Roof covering for buildings and Internal and external wall and ceiling finishes	
3. Name and address of the manufacturer	Radmat Building Products Ltd Holland House, Valley Way, Rockingham Road, Market Harborough, LE16 7PS Tel: +44 (0) 01858 412109	
4. Name and address of the authorized representative	Radmat (Ireland) Ltd 3 Inns Quay, Dublin 7, Ireland Tel: +44 (0) 01858 412109	
5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V	System 3	
6. In case of the declaration of performance concerning a construction product covered by a harmonised standard	CSI s.p.-N.B 1390 issued under system 3 reports 1390- CPR-0429/14/P-2020	
7. In case of the declaration of performance concerning a construction product for which a European Technical Assessment (ETA) has been issued	Not relevant	
8. Declared Performance		
Essential characteristics	Performance	Harmonized Technical Specification
External fire performance	Broof (t2)	BS EN 16153:2013 +A1:2015
Resistance to fire	NPD	
Reaction to fire	B-s1, d0	
Water/air permeability	NPD	
<u>Dimensional tolerances</u> Thickness: ±0,50 mm Length: -0 / +12 for length up to 3000 -0/+%0,40 for length greater 3000 Width: -2/+6 mm		
Water vapour permeability (EN ISO 12572)	3,8.10 ⁻⁵ mg/m h.Pa	
Release of dangerous substances	*	
Impact resistance	NPD	
Durability - variation of yellowness index and light transmittance	NPD	
Durability - variation of deformation behaviour	NPD	

Essential characteristics	Harmonized Technical Specification	[Thickness (mm)]							
		4 mm--2 Wall-Clear	6 mm--2 Wall-Clear	8 mm--2 Wall-Clear	8 mm--4 Wall-Clear	10 mm--2 Wall-Clear	10 mm--4 Wall-Clear	16 mm--3 Wall-Clear	16 mm--3 Wall Diffuser
Mechanical resistance	EN 16153:2013+A1 2015	B _c : 4,6 Nm ² /m	B _c : 15,4 Nm ² /m	B _c : 36,8 Nm ² /m	B _c : 21,8 Nm ² /m	B _c : 52,1 Nm ² /m	B _c : 39,8 Nm ² /m	B _c : 205,4 Nm ² /m	B _c : 205,4 Nm ² /m
		B _c : 3,9 Nm ² /m	B _c : 7,9 Nm ² /m	B _c : 19,3 Nm ² /m	B _c : 14,9 Nm ² /m	B _c : 25,9 Nm ² /m	B _c : 23,8 Nm ² /m	B _c : 101,4 Nm ² /m	B _c : 101,4 Nm ² /m
		S _c : 2101 N/m	S _c : 3621 N/m	S _c : 3306 N/m	S _c : 2500 N/m	S _c : 3255 N/m	S _c : 2866 N/m	S _c : 2620 N/m	S _c : 2620 N/m
M _c : 9,3 Nm/m		M _c : 30,3 Nm/m	M _c : 29,7 Nm/m	M _c : 30,5 Nm/m	M _c : 31,9 Nm/m	M _c : 48,8 Nm/m	M _c : 45,5 Nm/m	M _c : 45,5 Nm/m	
Direct airborne sound insulation		R=12 (-1,-2) dB	R=14 (-1,-3) dB	R=15 (0,-2) dB	R=17 (-1,-3) dB	R=16 (-1,-3) dB	R=18 (-1,-3) dB	R=18 (-1,-1) dB	R=18 (-1,-1) dB
Thermal transmittance		3,77 W/m ² K	3,33 W/m ² K	3,04 W/m ² K	2,69 W/m ² K	2,83 W/m ² K	2,43 W/m ² K	2,10 W/m ² K	2,10 W/m ² K
Radiation Properties *light transmittance -total solar energy transmittance		79 76	77 75	75 71	65 61	71 74	63 67	71 72	71 72