



POLYCARBONATE (PC) MULTIWALL SHEETS



1. Identification code of the product type	POLYSHIELD TRAPEZ POLYCARBONATE SHEETS
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	MASAF POLİKARBON PLASTİK SAN.TİC.A.Ş BÜĞDÜZ MAH.ENVER PAŞA CAD.9/A AKYURT /ANKARA
4. Name and address of the authorized representative	Not relevant
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)	EN 16153:2013+A1:2015
Resistance to fire	NPD	
Reaction to fire	B-s1,d0	
Water/air permeability	NPD	
Dimensional tolerances	Thickness: $\pm 0,50$ 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)	$3,8 \cdot 10^{-5}$ 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	



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8. Declared Performance-Continuation

Essential characteristics	Harmonized Technical Specification	Thickness (mm)			
		4 mm--2 Wall-Clear	6 mm--2 Wall-Clear	8 mm--2 Wall-Clear	10 mm--2 Wall-Clear
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 : 52,1 Nm /m
		B _c : 3,9 Nm ² /m	B _c : 7,9 Nm ² /m	B _c : 19,3 Nm ² /m	B _c : 25,9 Nm ² /m
		S _v : 2101 N/m	S _v : 3621 N/m	S _v : 3306 N/m	S _v : 2866 N/m
		M _b : 9,3 Nm/m	M _b : 30,3 Nm/m	M _b : 29,7 Nm/m	M _b : 31,9 Nm/m
Direct airborne sound insulation		R=12 (-1;-2) dB	R=14 (-1;-3) dB	R=15 (0;-2) dB	R=16 (-1;-3) dB
Thermal transmittance		3,77 W/m ² .K	3,33 W/m ² .K	3,04 W/m ² .K	2,83 W/m ² .K
Radiation Properties -light transmittance -total solar energy transmittance		79 76	77 75	75 71	71 74

*<http://ec.europa.eu/enterprise/construction/cpd-ds/>

8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. 9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point

Signed for and on behalf of the manufacturer by

Name And Function: CANAN SÜZER/ Quality Control Engineer

Place And Date Of Issue: 31.03.2023

Signature:

MASAF POLİKARBON PLASTİK
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