



POLYCARBONATE (PC) SOLID SHEETS



1. Unique identification code of the product-type: POLYBRIGHT POLYCARBONATE SOLID SHEET
2. Intended use/es: Internal and external wall and ceiling finishes
3. Manufacturer: TEKNORM PLASTİK AMB. İNŞ. CAM METAL SAN.TİC LTD. ŞTİ
4. Authorised representative: Not relevant
5. System/s of AVCP: System 3
- 6a. Harmonised standard: EN 16240:2013
Notified body/ies: EFECTIS ERA-23-181
- 6b. European Assessment Document:
European Technical Assessment:
Technical Assessment Body: EN 13823:2020+A1:2022 / EN ISO 11925-2:2020
7. Declared performance/s

Essential Characteristics	Performance
External fire performance (EN 13501-5)	NPD
Reaction to fire (EN 13501-1)	B S1 d 0
Resistance to fire (EN 13501-2)	NPD
Water vapour permeability (EN ISO 12572)	$3,8 \cdot 10^{-5}$ mg/m h.Pa
Water/air permeability	PASS
Release of dangerous substances	NPD
Dimensional tolerances	Thickness: +5 % equal to 2mm and up or equal to 5mm. / $\pm 10\%$ greater than 5mm Length / Width: 0 % to +0,30 % of the declared sheet length/width.
Shatter properties (safe breakability) as:	
-Small hard body impact resistance	PASS
-Large body impact resistance (assembly)	NPD
Mechanical resistance	$E_{f,mean} = 2200$ N/mm ² $E_{f,charac} = 2000$ N/mm ² $\sigma_{M,mean} = 60$ MPa $\sigma_{M,charac} = 55$ MPa
Direct airborne sound insulation	--
Resistance to fixings	Method of fixing (see manufacturer's datasheet)
Durability, as variation (after ageing)	NPD



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7. Declared Performance-Continuation

	Thickness (mm)									
	1	2	3	4	5	6	8	10	12	15
Thermal Transmittance (W/m ² K)	5,75	5,55	5,40	5,26	5,12	5,00	4,77	4,54	4,34	4,08
Light Transmittance (T _v -----%)	88,30	87,10	87,00	86,20	86,00	85,60	84,80	84,00	81,30	79,00
Total Solar Energy Transmittance (T _e -----%)	80,40	78,60	78,20	76,90	76,50	76,00	75,00	74,00	72,20	71,90
(g-----%)	85,00	83,60	83,30	82,30	82,10	81,70	81,00	80,20	78,80	77,60

*All sheets are considered as transparent unless otherwise stated.

8. Appropriate Technical Documentation and/or Specific Technical Documentation: The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

[name] : Yağmur Yılmaz / Quality Control Specialist

At [place] : Mimarsinan Organize Sanayi Bölgesi 17.Cadde No:9 KAYSERİ/TÜRKİYE

on [date of issue] : 31.03.2023

[signature]: