



Declaration of Performance

DoP-No. 02022698-002

1) Unique identification code of the product-type

Light transmitting flat multiwall polycarbonate sheet
ID-No. 02022698

2) Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of Regulation (EU) No 305/2011

Makrolon® multi UV 5M/25-20 white 1146

3) Intended use or uses of construction product, in accordance with the applicable harmonized technical specification

For internal and external use in roofs, walls and ceilings

4) Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5) of Regulation (EU) No 305/2011

Bayer MaterialScience GmbH
Otto-Hesse-Straße 19/T9
D-64293 Darmstadt
Germany

Phone: +49 6151 1303-0
Fax: +49 6151 1303-500
E-Mail: sales.sheets@bayer.com

5) Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2) of Regulation (EU) No 305/2011

Non applicable

6) System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V

System 3

7) In case of the declaration of performance concerning a construction product covered by a harmonized standard

Non applicable

8) Declared performance

Essential characteristics	Performance	Harmonised technical specification
External fire performance	NPD	EN 16153:2013
Reaction to fire	B - s1, d0	
Resistance to fire	NPD	
Water vapour permeability	$3,8 \times 10^{-5} \text{ mg/m h Pa}$	
Water/air permeability	pass	
Release of dangerous substances	NPD	
Dimensional tolerances	pass	
Shatter properties (save breakability) as:		
- Small hard body impact resistance	NPD	
- Large soft body impact resistance (assembly)	NPD	
Mechanical resistance (deformation behaviour)	539,8 Nm ² /m	
	589,1 Nm ² /m	
	14790 N/m	
	122,1 Nm/m	
Direct airborne sound insulation	NPD	
Thermal transmittance	$U_{\text{ver}} = 1,4 \text{ W/m}^2\text{K} / U_{\text{hor}} = 1,4 \text{ W/m}^2\text{K}$	
Light transmittance	40 %	
Total solar energy transmittance	42 %	
Resistance to fixings	the sheet must be framed by proper profiles (see manufacturer's information)	
Durability, as variation (after ageing):		
- of yellowness index	ΔA	
- of light transmittance	ΔA	
- of deformation flexural modulus	Cu 1	
- of tensile strength	Ku 1	

9) The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Rodolfo Rosa, P&T Manager
(name and function)

Nera Montoro, 02.04.2014
(place and date of issue)

(signature)