

Declaration of Performance

DoP number "Exo-GP-01"



1. Unique identification code of the product type

Light transmitting flat solid polycarbonate sheet Exolon GP clear 099, Exolon GP color xxx, Exolon DX, Exolon Vista QX clear and color, Exolon Titan, Exolon SX Sharp

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) N° 305/2011

Exolon GP clear 099, Exolon GP color xxx, Exolon DX white xxx, Exolon Vista QX clear or color xxx, Exolon Titan, Exolon SX Sharp

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

For internal 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) N° 305/2011

Exolon Group NV
Wakkensesteenweg 47
8700 Tielt
Belgium

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

System 3

6. Harmonized standard

EN 16240:2013 Light transmitting flat solid polycarbonate (PC) sheets for internal and external use in roofs, walls and ceilings – Requirements and test methods

Declaration of Performance

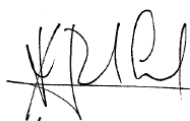
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7. Declared performance

ESSENTIAL CHARACTERISTICS	PERFORMANCE
External fire performance	NPD
Reaction to fire	GP clear: 2-6 mm: B s1 d0 GP colored: 2-6 mm: B s2 d0 GP white 150: 2-3 mm: B s1 d0 > 3 mm: NPD GP clear and colored: > 6 mm: NPD DX 2-5 mm: B s1 d0 > 5 mm: NPD SX Sharp 1-4 mm: B s1 d0 Vista QX, Titan: NPD
Resistance to fire	NPD
Water vapour permeability	$3,8 \times 10^{-5}$ 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	pass
- large soft body impact	NPD
Mechanical resistance (deformation behavior)	$E_{f,mean} = 2200$ Nm ² $E_{f,charac} = 2000$ Nm ² $\sigma_{m, mean} = 60$ MPa $\sigma_{m, charac} = 55$ MPa
Direct airborne sound insulation Rw	NPD
Thermal transmittance: U value in W/m ² K	2 mm: 5.6 ; 3 mm: 5.4 ; 4 mm: 5.3 ; 5 mm: 5.1 ; 6 mm: 5.0 ; 8 mm: 4.8 ; 10 mm: 4.5 ; 12 mm: 4.3 ; 15 mm: 4.1 ; 18 mm: 3.8 ; 20 mm: 3.7
Light transmittance	GP clear and QX Vista clear: 2 mm: 89% ; 3 mm: 88% ; 4 mm: 87% 5 mm: 87% ; 6 mm: 86% ; 8 mm: 85% ; 10 mm: 83% ; 12 mm: 82 % ; 15 mm: 80 % 18 mm: 79 % ; 20 mm: 76 % GP colored, DX, QX Vista colored : NPD
Total solar energy transmittance	NPD
Resistance to fixings	the sheet must be framed by proper profiles (see Technical Manual solid sheets)
Durability, as variation (after ageing):	NPD

This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



Emmanuel Bral
Head of R&D and Technical Support

Tielt, 01/07/2021