POLYVANTIS

DECLARATION OF PERFORMANCE

LEXAN™ F2000 SHEET

3-15mm gauge colors 112-5109-713

1.
Element allowing identification of the construction product:
9030

2.
Intended use:
For internal and external use in roofs, walls, and ceilings.

3.
Manufacturer:
F&S B.V.
Joulehof 16
4622 RG Bergen op Zoom
The Netherlands

4.
System of Assessment and Verification of Constancy of Performance (AVCP):
AVCP System 3 for all characteristics.

5.
In case of the declaration of performance concerning a construction product covered by a harmonized standard:
WFRGENT (Notified Body 1173), performed testing of the reaction to fire (based on sampling carried out by the manufacturer) under system 3.

6.
Declared performance:
All characteristics listed in the table below are determined following harmonized standard EN 16240: 2013 Light transmitting flat solid polycarbonate (PC) sheets for internal and external use in roofs, walls.

DECLARATION OF PERFORMANCE

7.
Element allowing identification of the construction product:

Essential characteristics	Performance				
External fire performance	F_{roof} (NPD)				
Reaction to fire 3mm-6mm	NPD				
Reaction to fire >6mm	NPD				
Resistance to fire	NPD				
Water vapor permeability	3,8 ´ 10^{-5} mg/m×h×Pa				
Water/air permeability	Pass				
Release of dangerous substances	NPD				
Dimensional tolerances	Pass				
Shatter properties (safe breakability) as:					
- Small hard body impact resistance	Pass				
- Large soft body impact resistance (assembly)	Pass				
Deformation behavior	NPD				
Direct airborne sound insulation	NPD				
Thermal transmittance	NPD				
Light transmittance	τ_v				
Color - τ_v (%)	**3mm**	**4mm**	**5mm**	**6mm**	**8mm**
112	89	88	88	87	85
Resistance to fixings	Method of fixing (see manufacturer's datasheet)				
Durability, as variation (after ageing):					
- of yellowness index	N/A				
- of the light transmittance	N/A				
- of deformation flexural modulus	NPD				
-of tensile strength	NPD				

8.
The performance of the product identified above is in conformity with the set of declared performance. 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:

P. van den Bleek

Bergen op Zoom, 01-07-2024



POLYVANTIS

Polycarbonate products are sold globally under the trademark LEXAN™ Film & Sheet, owned by SABIC or its subsidiaries or affiliates.

www.polyvantis.com

LEXAN™ POLYCARBONATE FILM & SHEET Tough, Virtually Unbreakable

LEXAN is a trademark of SABIC

© POLYVANTIS PV_DOP_001_F2000_2-8MM_112 COLOR_ENG_05-26