POLYVANTIS

DECLARATION OF PERFORMANCE

LEXAN™ EXELL™ D ST SHEET

1.
Element allowing identification of the construction product:
EXELLDST

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.
Harmonized standard:
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.

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7.
Declared performance:

Essential characteristics	Performance		
External fire performance	F_{roof} (NPD)		
Reaction to fire	B, s1, d0		
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		
Light transmittance	τ_v		
Colour - τ_v (%)	4mm	5mm	6mm
CLEAR	88	88	87
Resistance to fixings	Method of fixing (see manufacturer's datasheet)		
Durability, as variation (after ageing):			
- of yellowness index	6 (ΔA)		
- of the light transmittance	7 % (ΔE)		
- 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, 05-05-2026



POLYVANTIS

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LEXAN™ POLYCARBONATE FILM & SHEET Tough, Virtually Unbreakable

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