POLYVANTIS

# DECLARATION OF PERFORMANCE

# LEXAN™ EXELL™ D SHEET

## 6mm gauge color GY5E250T

1.
**Element allowing identification of the construction product:**
EXELLD

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.

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## 7.
**Element allowing identification of the construction product:**

| Essential characteristics | Performance |
|---|---|
| External fire performance | $F_{roof}$ (NPD) |
| Reaction to fire 3mm-6mm | B, s1, d0 |
| 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 | R = 29dB |
| Thermal transmittance | NPD |
| Light transmittance | NPD |
| Resistance to fixings | Method of fixing (see manufacturer's datasheet) |
| Durability, as variation (after ageing): | |
| - of yellowness index | NPD |
| - of the light transmittance | NPD |
| - 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



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