

DECLARATION OF PERFORMANCE

LEXAN™ EXELL™ D Sheet 9.5mm gauge Non-standard colors

- Element allowing identification of the construction product:
EXELLD
- Intended use:
For internal and external use in roofs, walls and ceilings
- Manufacturer:
SABIC
Plasticslaan 1
4612 PX Bergen op Zoom
Netherlands
Tel. +31164293684
Fax: +31164293272
Email: ff.info@sabic.com
- System of Assessment and Verification of Constancy of Performance (AVCP):
AVCP System 3 for all characteristics
- In case of the declaration of performance concerning a construction product covered by a harmonized standard:
NPD
- 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 and ceilings – Requirements and test.**
- Declared performance:

| Essential characteristics | Performance |
|------------------------------------------------|--------------------------------|
| External fire performance | F _{ROOF} (NPD) |
| Reaction to fire | F (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 (safe breakability) as: | |
| - Small hard body impact resistance | Pass |
| - Large soft body impact resistance (assembly) | Pass |
| (deformation behaviour) | NPD |

| | | | | | |
|------------------------------------------|-----------------|--------------|----------------------------------------------------|--------------|--|
| Direct airborne sound insulation | | R = 31.5 dB | | | |
| Thermal transmittance | | NPD | | | |
| Light transmittance | | τ_v | | | |
| Total solar energy transmittance | | g | | | |
| Solar direct transmittance | | τ_e | | | |
| | Colour | τ_v (%) | g (%) | τ_e (%) | |
| | Non-std. colors | NPD | NPD | 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, 06-03-2018

CONTACT US:

Europe
Functional Forms
Plasticslaan 1
4612 PX
Bergen op Zoom
The Netherlands

T +31 (0)164 293678
F +31 (0)164 293272
E ff.info@sabic.com

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