

DECLARATION OF PERFORMANCE

LEXAN™ EXTRITE™ SHEET 5mm gauge color 112

- Element allowing identification of the construction product:
EXTRITE1
- Intended use:
This product is developed for indoor and outdoor applications.
- 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:
WFRGENT (Notified Body 1173), performed testing of the reaction to fire (based on sampling carried out by the manufacturer) under system 3
- 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	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)	B _x = NPD

	$B_y = \text{NPD}$ $S_y = \text{NPD}$ $M_b = \text{NPD}$			
Direct airborne sound insulation	NPD			
Thermal transmittance	NPD			
Light transmittance	τ_v			
Total solar energy transmittance	g			
Solar direct transmittance	τ_e			
	Colour	τ_v (%)	g (%)	τ_e (%)
	112	88	NPD	NPD
Resistance to fixings	Method of fixing (see manufacturer's datasheet)			
Durability, as variation (after ageing):				
- of yellowness index	6 (ΔA)			
- of the light transmittance	6% (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, 22-10-2019

CONTACT US:

Europe

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