

DECLARATION OF PERFORMANCE

LEXAN™ THERMOPANEL Sheet LTP30E4RS33

- Element allowing identification of the construction product:
Unique product name.
See product label for traceability.
- Intended use:
For internal and external use in roofs, walls and ceilings
- Manufacturer:
SABIC
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4612 PX Bergen op Zoom
Netherlands
Tel. +31164293684
Fax: +31164293272
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- 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 16153: 2013 Light transmitting flat multiwall 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	B, s1, do
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 = NPD S _y = NPD M _b = NPD
Direct airborne sound insulation	R = NPD
Thermal transmittance	U = 1.58 W/m ² ·K
Light transmittance (%) 112	τ _v = 68
Total solar energy transmittance (%) 112	g = 68
Solar direct transmittance (%) 112	τ _e = 63
Light transmittance (%) Opal	τ _v = 62
Total solar energy transmittance (%) Opal	g = 68
Solar direct transmittance (%) Opal	τ _e = 63
Resistance to fixings	Method of fixing (see manufacturer's datasheet)
Durability, as variation (after ageing):	
- of yellowness index	10 (ΔA) clear
- of the light transmittance	10 % (ΔA)
- of deformation flexural modulus	Cu 1
-of tensile strength	Ku 1

NPD = No Performance Determined

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, 05-06-2018



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