

DECLARATION OF PERFORMANCE

LEXAN™ THERMOCLEAR™ Sheet LT2UV62RS13

- Intended use:
For internal and external use in roofs, walls and ceilings
- Manufacturer:
SABIC
Plasticslaan 1
4612 PX Bergen op Zoom
Netherlands
Tel. +31164293684
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Email: sfs.info@sabic-ip.com
- System of assessment and verification of constancy of performance (ACVP):
System 3
- 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 = 14 Nm ² /m B _y = 10Nm ² /m S _y = 3900 N/m M _b = 20 Nm/m
Direct airborne sound insulation	R = 17 dB
Thermal transmittance	U = 3,56 W/m ² ·K

Light transmittance			τ_v		
Total solar energy transmittance			g		
Solar direct transmittance			τ_e		
	Colour	τ_v (%)	g (%)	τ_e (%)	
	Clear	82	82	76	
	Opal White	66	69	63	
	Bronze	37	58	43	
Resistance to fixings			Method of fixing (see manufacturer's datasheet)		
Durability, as variation (after ageing):					
- of yellowness index			2 (ΔA) clear 5 (ΔA) coloured		
- of the light transmittance			2 % (ΔA)		
- of deformation flexural modulus			Cu 1		
-of tensile strength			Ku 1		

6. 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, 8-1-2015



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