



# LAMBERTS

## DECLARATION OF PERFORMANCE

**Thermally toughened** - thermally toughened soda lime silicate glass  
 Intended to be used in buildings and construction works  
 01.09.2005 EN 12150-2:2004

Glasfabrik Lamberts GmbH &  
 Co.KG  
 Postfach 560  
 95632 Wunsiedel

**Thermally toughened patterned glass:** EcoSolar SM eisenarm

	System	2 mm
<b>Reaction in case of fire:</b>		
Resistance to fire	1	NPD
Reaction to fire	3,4	A1
External fire performance	3,4	NPD
<b>For application as bullet resistant or explosion resistant glazing:</b>		
Bullet resistance	1	NPD
Explosion resistance	1	NPD
<b>Other applications, under the point of view of "safety issues":</b>		
Burglar resistance	3	NPD
Pendulum body impact resistance	3	NPD
Resistance against sudden temperature changes and temperature differentials [K]	4	NPD
Wind, snow, permanent and imposed load resistance [mm]	4	2
<b>Application for sound insulation</b>		
Direct airborne sound insulation (EN 12758) [dB]	4	NPD
<b>Application of heat insulation</b>		
Emissivity (EN 12898) [ $e_d$ ]	3	0,89
U-value (EN 673) [ $W/(m^2 \cdot K)$ ]	3	NPD
Light transmission (EN 410): [ $T_v / P_v / P_v$ ]	3	NPD
Light reflection [ $r_v$ ]	3	NPD
Solar energy transmission (EN 410): [ $T_e / P_e / P_e$ ]	3	NPD
Solar energy reflexion [ $r_E$ ]	3	NPD
g-value	3	NPD
Durability	3	bestanden

NPD: no performance defined

The performance of the product identified is in conformity with the declared performance above.  
 This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Glasfabrik Lamberts GmbH & Co.KG  
 Christoph Lamberts, General Manager

Wunsiedel, den 01.07.2013



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	System	3 mm
<b>Reaction in case of fire:</b>		
Resistance to fire	1	NPD
Reaction to fire	3,4	A1
External fire performance	3,4	NPD
<b>For application as bullet resistant or explosion resistant glazing:</b>		
Bullet resistance	1	NPD
Explosion resistance	1	NPD
<b>Other applications, under the point of view of "safety issues":</b>		
Burglar resistance	3	NPD
Pendulum body impact resistance	3	NPD
Resistance against sudden temperature changes and temperature differentials [K]	4	NPD
Wind, snow, permanent and imposed load resistance [mm]	4	3
<b>Application for sound insulation</b>		
Direct airborne sound insulation (EN 12758) [dB]	4	29 (-2;-5)
<b>Application of heat insulation</b>		
Emissivity (EN 12898) [ $e_d$ ]	3	0,89
U-value (EN 673) [ $W/(m^2 \cdot K)$ ]	3	NPD
Light transmission (EN 410): [ $T_v / P_v / P_v$ ]	3	NPD
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Resistance to fire	1	NPD
Reaction to fire	3,4	A1
External fire performance	3,4	NPD
<b>For application as bullet resistant or explosion resistant glazing:</b>		
Bullet resistance	1	NPD
Explosion resistance	1	NPD
<b>Other applications, under the point of view of "safety issues":</b>		
Burglars resistance	3	NPD
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	System	4 mm
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Resistance to fire	1	NPD
Reaction to fire	3,4	A1
External fire performance	3,4	NPD
<b>For application as bullet resistant or explosion resistant glazing:</b>		
Bullet resistance	1	NPD
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Pendulum body impact resistance	3	NPD
Resistance against sudden temperature changes and temperature differentials [K]	4	NPD
Wind, snow, permanent and imposed load resistance [mm]	4	4
<b>Application for sound insulation</b>		
Direct airborne sound insulation (EN 12758) [dB]	4	29 (-1;-3)
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