

**BS EN 1279:2002**

**GLASS IN BUILDING  
INSULATING GLASS UNITS**

**DECLARATION OF PERFORMANCE**

THIS IS TO CERTIFY THAT

**PINEFIELD GLASS LIMITED**

of  
**1 Pinefield Parade  
Elgin  
Moray  
IV30 6AG**

HAVE CONFORMED WITH EN 1279-5 ANNEX ZA

by

**(a) SUBMITTING PLAIN INSULATING GLASS UNITS FOR TESTING TO BS EN 1279 PART 2 AND SUCCESSFULLY MEETING ALL REQUIREMENTS.**

Please refer to **Test Report No. 89203458-10**  
System Description Ref: PGLtd - 13  
ITT conducted by: TÜV Rheinland Nederland B.V.

**SUBMITTING PLAIN INSULATING GLASS UNITS FOR TESTING TO BS EN 1279 PART 3 AND SUCCESSFULLY MEETING ALL REQUIREMENTS.**

Please refer to **Test Report No. 89203458-11**  
System Description Ref: PGLtd - 13  
ITT conducted by: TÜV Rheinland Nederland B.V.

**(b) INSTIGATING AND IMPLEMENTING A SYSTEM OF FACTORY PRODUCTION CONTROL COMPLYING WITH BS EN 1279 PART 6**

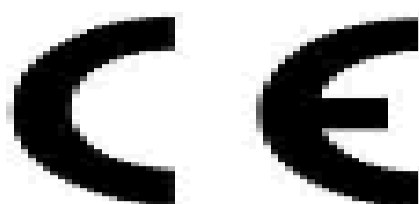
**(c) HAVING UNITS TESTED TO THE REQUIREMENTS EN 1279 PART 6 BY CENSOLUTIONS LTD**

**(d) PRODUCING A TECHNICAL FILE CONTAINING THE TEST REPORT AND PERFORMANCE INDICATION PAPERS FOR ALL COMPONENTS**

Signed:

Position: Operations Director

Date: 15.06.2015



PINEFIELD GLASS LIMITED

Unit 1 Pinefield Parade

Elgin

Morray

IV30 6AG

13

EN 1279-5

Insulated glass units, intended to be used in buildings and construction works

**System: 4mm Clear - 6mm Spacer Air - 4mm Clear (Worst Case Scenario IGU)**

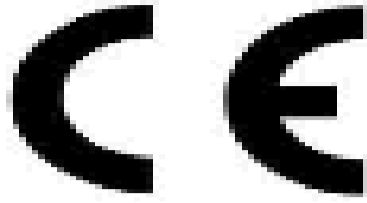
Characteristics

Resistance to fire	Moray	npd
Reaction to fire		A1
External fire performance		npd
Bullet resistance		npd
Explosion resistance		npd
Burglar resistance		npd
Pendulum body impact resistance		npd
Resistance against sudden temperature changes and temperature differentials		≥ 40+40K
Wind, snow permanent and imposed load resistance		≥ 4+4 mm
Direct airborne sound insulation		≤ 31 (-2; -5) dB
Thermal properties		≤ 3.3W/(m <sup>2</sup> K)
<u>Radiation properties:</u>		
light transmission and reflection		≥ 0.82/0.15
solar energy characteristics		≥0.73/0.13

Signed:

Date: 15.06.2015

Position: Operations Director



PINEFIELD GLASS LIMITED

Unit 1 Pinefield Parade

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EN 1279-5

Insulated glass units, intended to be used in buildings and construction works

**System: 4mm Clear Toughened - 6mm Spacer Air - 4mm Clear Toughened (Worst Case Scenario Toughened IGU)**

Characteristics

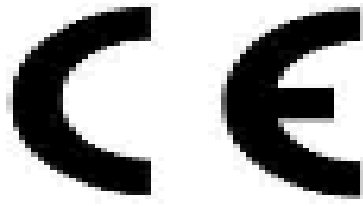
Moray

Resistance to fire	npd
Reaction to fire	A1
External fire performance	npd
Bullet resistance	npd
Explosion resistance	npd
Burglar resistance	npd
Pendulum body impact resistance	≥1(c)3
Resistance against sudden temperature changes and temperature differentials	≥ 200+200
Wind, snow permanent and imposed load resistance	≥ 4+4 mm
Direct airborne sound insulation	≤ 31 (-2; -5) dB
Thermal properties	≤ 3.3W/(m <sup>2</sup> K)
Radiation properties:	
light transmission and reflection	≥0.82/0.15
solar energy characteristics	≥0.73/0.13

Signed:

Date: 15.06.2015

Position: Operations Director



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EN 1279-5

Insulated glass units, intended to be used in buildings and construction works

System: 4mm Clear - 16mm or 20mm Spacer Air - 4mm Soft Coat

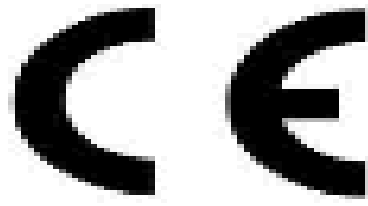
Characteristics

Resistance to fire	Moray
Reaction to fire	A1
External fire performance	npd
Bullet resistance	npd
Explosion resistance	npd
Burglar resistance	npd
Pendulum body impact resistance	npd
Resistance against sudden temperature changes and temperature differentials	$\geq 40+40K$
Wind, snow permanent and imposed load resistance	$\geq 4+4$ mm
Direct airborne sound insulation	npd
Thermal properties	$1.4W/(m^2K)$
<u>Radiation properties:</u>	
light transmission and reflection	npd
solar energy characteristics	npd

Signed:

Date: 15.06.2015

Position: Operations Director



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System: 4mm Clear - 16mm or 20mm Spacer Air - 4mm Soft Coat

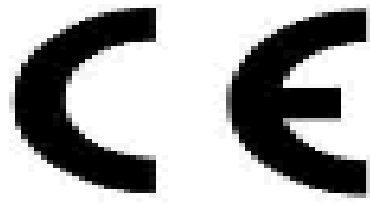
Characteristics

Resistance to fire	Moray
Reaction to fire	A1
External fire performance	npd
Bullet resistance	npd
Explosion resistance	npd
Burglar resistance	npd
Pendulum body impact resistance	npd
Resistance against sudden temperature changes and temperature differentials	$\geq 40+40K$
Wind, snow permanent and imposed load resistance	$\geq 4+4$ mm
Direct airborne sound insulation	npd
Thermal properties	$1.5W/(m^2K)$
<u>Radiation properties:</u>	
light transmission and reflection	npd
solar energy characteristics	npd

Signed:

Date: 15.06.2015

Position: Operations Director



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EN 1279-5

Insulated glass units, intended to be used in buildings and construction works

System: 4mm Clear - 16 or 20mm Spacer Argon - 4mm Soft Coat

Characteristics

Resistance to fire	Moray
Reaction to fire	A1
External fire performance	npd
Bullet resistance	npd
Explosion resistance	npd
Burglar resistance	npd
Pendulum body impact resistance	npd
Resistance against sudden temperature changes and temperature differentials	$\geq 40+40K$
Wind, snow permanent and imposed load resistance	$\geq 4+4$ mm
Direct airborne sound insulation	npd
Thermal properties	$1.2W/(m^2K)$
<u>Radiation properties:</u>	
light transmission and reflection	npd
solar energy characteristics	npd

Signed:

Date: 15.06.2015

Position: Operations Director