



EN 12150-2:2004

GLASS IN BUILDING  
THERMALLY TOUGHENED SODA LIME SILICATE SAFETY GLASS  
INTENDED TO BE USED IN BUILDING AND CONSTRUCTION WORKS

# DECLARATION OF PERFORMANCE

THIS IS TO CERTIFY THAT

LANCASHIRE DOUBLE GLAZING LIMITED T/As CCG GLASS

of

The Sherwood Building

Field Road

Port of Heysham

Heysham

LA3 2XU

HAVE CONFORMED WITH EN 12150-2 ANNEX ZA

by

SUBMITTING GLASS' FOR INITIAL TYPE TESTING TO EN 12150-1, EN 1288-3 AND EN 12600

| TESTING TO: | NOTIFIED TEST HOUSE  | PRODUCTS                                | TEST REPORT No's |
|-------------|----------------------|---|------------------|
| EN 12150-1  | BSI Product Services | CLEAR, OBSCURE, SOFT & HARD COAT GLASS' | 2624843154       |
| EN 1288-3   | BSI Product Services | CLEAR AND SOFT & HARD COAT GLASS'       | 2627023036       |
| EN 12600    | BSI Product Services | CLEAR, OBSCURE, AND SOFT COAT GLASS'    | 2627023036       |

INSTIGATING AND IMPLEMENTING A SYSTEM OF FACTORY PRODUCTION CONTROL COMPLYING WITH BS EN 12150-2:2004

PRODUCING A TECHNICAL FILE CONTAINING THE TEST REPORTS AND PERFORMANCE INDICATION PAPERS FOR ALL COMPONENTS

Signed:

Position:

M. D.

Date:

10/4/2013



LANCASHIRE DOUBLE GLAZING LIMITED T/A CCG Glass

The Sherwood Building

Field Road

Port of Heysham

Heysham

LA3 2XU


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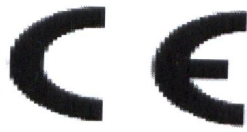
EN 12150-2

THERMALLY TOUGHENED SODA LIME SILICATE SAFETY GLASS  
INTENDED TO BE USED IN BUILDING AND CONSTRUCTION WORKS

CLEAR GLASS 4mm to 6mm

| Characteristics   | 4mm                     | 6mm                     | npd | npd | npd |
|---|-------------------------|-------------------------|-----|-----|-----|
| Resistance to fire  |                         |                         |     |     |     |
| Reaction to fire  |                         |                         |     |     | nl  |
| 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 | 1(c)3                   | 1(c)2                   |     |     |     |
| Wind, snow permanent and imposed load resistance                            | 200k                    | 200k                    |     |     |     |
| Direct airborne sound insulation  | 4mm                     | 6mm                     |     |     |     |
| Thermal properties  | 29 (-2; -3) dB          | 31 (-2; -3) dB          |     |     |     |
| Radiation properties:   | 5.8W/(m <sup>2</sup> K) | 5.7W/(m <sup>2</sup> K) |     |     |     |
| light transmission and reflection   | 0.90/0.08/0.08          | 0.88/0.08/0.08          |     |     |     |
| solar energy characteristics  | 0.85/0.08/0.08          | 0.79/0.07/0.07          |     |     |     |

Signed:  M.O.  
Date: 10/4/2018



LANCASHIRE DOUBLE GLAZING LIMITED T/As CCG GLASS

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EN 12150-2

THERMALLY TOUGHENED SODA LIME SILICATE SAFETY GLASS  
INTENDED TO BE USED IN BUILDING AND CONSTRUCTION WORKS

4mm and 6mm Hard Coat

Characteristics

|   | 4mm                     | 6mm                     |
|---|-------------------------|-------------------------|
| 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                   | 1(c)2                   |
| Resistance against sudden temperature changes and temperature differentials | 200k                    | 200k                    |
| Wind, snow permanent and imposed load resistance                            | 4mm                     | 6mm                     |
| Direct airborne sound insulation  | 29 (-2; -3) dB          | 31 (-2; -3) dB          |
| Thermal properties  | 3.7W/(m <sup>2</sup> K) | 3.7W/(m <sup>2</sup> K) |
| <u>Radiation properties:</u>  |                         |                         |
| light transmission and reflection   | 0.82/0.11/0.12          | 0.81/0.11/0.11          |
| solar energy characteristics  | 0.71/0.10/0.11          | 0.68/0.09/0.11          |

Signed: 

Position: M.O

Date: 10/4/2013

# CE

LANCASHIRE DOUBLE GLAZING LIMITED T/As CCG GLASS

The Sherwood Building

Field Road

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EN 12150-2

THERMALLY TOUGHENED SODA LIME SILICATE SAFETY GLASS

INTENDED TO BE USED IN BUILDING AND CONSTRUCTION WORKS

4mm and 6mm Obscure

Characteristics

|   | 4mm                     | 6mm                     |
|---|-------------------------|-------------------------|
| 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                   | 1(c)2                   |
| Resistance against sudden temperature changes and temperature differentials | 200k                    | 200k                    |
| Wind, snow permanent and imposed load resistance                            | 4mm                     | 6mm                     |
| Direct airborne sound insulation  | 29 (-2; -3) dB          | 31 (-2; -3) dB          |
| Thermal properties  | 5.8W/(m <sup>2</sup> K) | 5.7W/(m <sup>2</sup> K) |
| <u>Radiation properties:</u>  |                         |                         |
| light transmission and reflection   | 0.82/0.8/0.8            | 0.86/0.08/0.08          |
| solar energy characteristics  | 0.78/0.07/0.07          | 0.73/0.07/0.07          |

Signed:.....

Date:.....

Position:.....

# CE

LANCASHIRE DOUBLE GLAZING LIMITED T/A: CCG GLASS

The Sherwood Building

Field Road

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Heysham

LA3 2XU


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EN 12150-2

THERMALLY TOUGHENED SODA LIME SILICATE SAFETY GLASS  
INTENDED TO BE USED IN BUILDING AND CONSTRUCTION WORKS

4mm and 6mm Soft Coat

| Characteristics   | 4mm                     |  | 6mm                     |  |
|---|-------------------------|--|-------------------------|--|
|   |                         |  |                         |  |
| 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                   |  | 1(c)2                   |  |
| Resistance against sudden temperature changes and temperature differentials | 200k                    |  | 200k                    |  |
| Wind, snow permanent and imposed load resistance                            | 4mm                     |  | 6mm                     |  |
| Direct airborne sound insulation  | 29 (-2; -3) dB          |  | 32 (-2; -3) dB          |  |
| Thermal properties  | 3.3W/(m <sup>2</sup> K) |  | 3.2W/(m <sup>2</sup> K) |  |
| Radiation properties:   |                         |  |                         |  |
| light transmission and reflection   | 0.88/0.06/0.05          |  | 0.86/0.06/0.04          |  |
| solar energy characteristics  | 0.69/0.15/0.17          |  | 0.65/0.13/0.16          |  |

Signed:   
Position: M.D

Date: 10/4/2013



BS EN 1279:2002

GLASS IN BUILDING  
INSULATING GLASS UNITS

# DECLARATION OF PERFORMANCE

THIS IS TO CERTIFY THAT

**LANCASHIRE DOUBLE GLAZING LIMITED**  
**T/As CCG GLASS**

of

The Sherwood Building  
Field Road  
Port of Heysham  
Heysham  
LA3 2XU

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. 262/4201914  
System Description Ref: KM 53747  
ITT conducted by: BSI Product Services

Please refer to Test Report No. 262/4888293  
System Description Ref: KM 53747  
ITT conducted by: BSI Product Services

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


Please refer to Test Report No. 601 35208/1e  
System Description Ref: 53747  
ITT conducted by: IFT Rosenhiem

Please refer to Test Report No. 601 35208/2e  
System Description Ref: 53747  
ITT conducted by: IFT Rosenhiem

(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: M-D.

Date: 10/4/2013.



LANCASHIRE DOUBLE GLAZING T/A CCG GLASS

The Sherwood Building

Field Road

Port of Heysham

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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  | 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 | $\geq 40+40K$         |
| Wind, snow permanent and imposed load resistance                            | $\geq 4+4$ mm         |
| Direct airborne sound insulation  | $\leq 31$ (-2; -5) dB |
| Thermal properties  | $\leq 3.3W/(m^2K)$    |
| <u>Radiation properties:</u>  |                       |
| light transmission and reflection   | $\geq 0.82/0.15$      |
| solar energy characteristics  | $\geq 0.73/0.13$      |

Signed:   
Position: 

Date: 10/4/2013



LANCASHIRE DOUBLE GLAZING T/As CCG GLASS

The Sherwood Building

Field Road

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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

|   |                           |
|---|---------------------------|
| 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: 

Position: 

Date: 16.4.2013