



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

LANCASHIRE

LA3 2XU

HAVE CONFORMED WITH EN 12150-2 ANNEX ZA

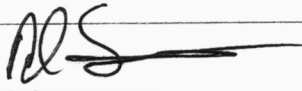
BY

SUBMITTING GLASS FOR INITIAL TYPE TESTING TO EN 12150-1:2015, EN 1288-3 AND EN 12600

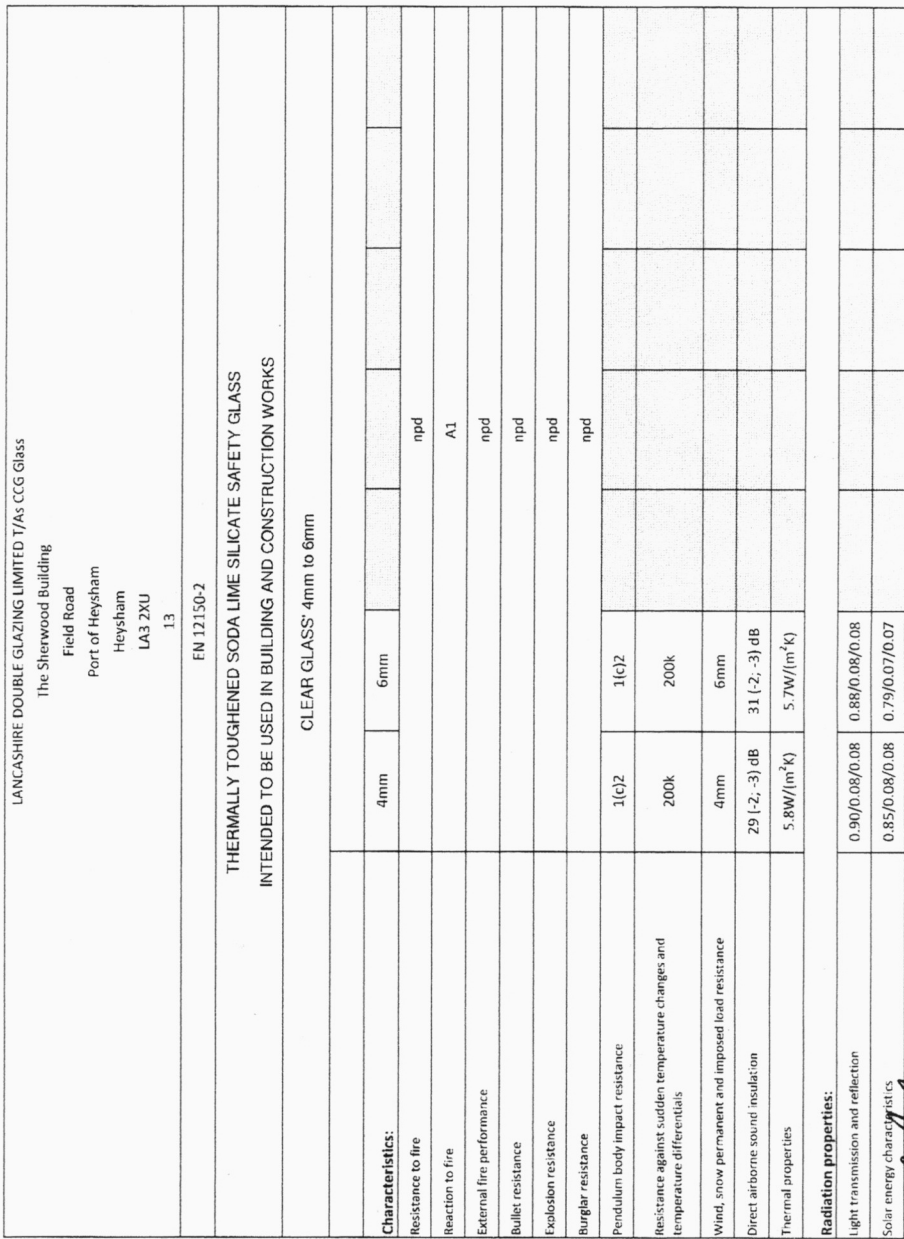
| TESTING TO: | NOTIFIED TEST HOUSE | PRODUCTS | TEST REPORT No's |
|-------------|----------------------|--|------------------|
| EN 12150-1 | BSI Product Services | CLEAR, OBSCURE, SOFT & HARD COAT GLASS | 262/4843154 |
| EN 1288-3 | | CLEAR AND SOFT & HARD COAT GLASS | 262/7023036 |
| EN 12600 | | CLEAR, OBSCURE, AND SOFT COAT GLASS | 262/7023036 |

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: 8th June 2021.



Date: 8th June 2021.



LANCASHIRE DOUBLE GLAZING LIMITED T/As CCG GLASS

The Sherwood Building

Field Road

Port of Heysham

Heysham

Lancashire

LA3 2XU

13

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 ² K) | 5.7W/(m ² K) |
| Radiation properties: | | |
| 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: 

Position: M.D

Date: 8th June 2021.



LANCASHIRE DOUBLE GLAZING LIMITED T/As CCG GLASS

The Sherwood Building

Field Road

Port of Heysham

Heysham

LA3 2XU

13

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)2 | 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 ² K) | 3.7W/(m ² K) |
| Radiation properties: | | |
| 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:.....

Date: 8th June 2021.

Position:.....



LANCASHIRE DOUBLE GLAZING LIMITED T/As CCG GLASS

The Sherwood Building

Field Road

Port of Heysham

Heysham

LA3 2XU

13

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)2 | 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 ² K) | 3.2W/(m ² 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: 

Date: 8th June 2021.



**BS EN 1279:2018
GLASS IN BUILDING
INSULATING GLASS UNITS**

DECLARATION OF PERFORMANCE

THIS IS TO CERTIFY THAT

LANCASHIRE DOUBLE GLAZING LIMITED

TRADING 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:

Date: 8th June 2021.



LANCASHIRE DOUBLE GLAZING T/As CCG GLASS

The Sherwood Building

Field Road

Port of Heysham

Heysham

LA3 2XU

21

EN 1279-5

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

System: 4mm Clear - 16mm Spacer Air - 4mm Climaguard A +

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 | npd |
| Wind, snow permanent and imposed load resistance | npd |
| Direct airborne sound insulation | npd |
| Thermal properties | 1.4W/(m ² K) |

Radiation properties:

| | |
|-----------------------------------|-----|
| light transmission and reflection | npd |
| solar energy characteristics | npd |

Signed:

M. D.

Position:

Date: 8th June 2021.



LANCASHIRE DOUBLE GLAZING T/As CCG GLASS

The Sherwood Building

Field Road

Port of Heysham

Heysham

LA3 2XU

21

EN 1279-5

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

System: 4mm Clear - 20mm Spacer Air - 4mm Climaguard A +

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 | npd |
| Wind, snow permanent and imposed load resistance | npd |
| Direct airborne sound insulation | npd |
| Thermal properties | 1.5W/(m ² K) |

Radiation properties:

| | |
|-----------------------------------|-----|
| light transmission and reflection | npd |
| solar energy characteristics | npd |

Signed:

Position:

Date: 8th June 2021.



LANCASHIRE DOUBLE GLAZING T/As CCG GLASS

The Sherwood Building

Field Road

Port of Heysham

Heysham

LA3 2XU

21

EN 1279-5

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

System: 4mm Clear - 20mm Spacer Air - 4mm Climaguard A +

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 | npd |
| Wind, snow permanent and imposed load resistance | npd |
| Direct airborne sound insulation | npd |
| Thermal properties | 1.2W/(m ² K) |

Radiation properties:

| | |
|-----------------------------------|-----|
| light transmission and reflection | npd |
| solar energy characteristics | npd |

Signed:

Position:

Date: 8th June 2021.



LANCASHIRE DOUBLE GLAZING T/As CCG GLASS

The Sherwood Building

Field Road

Port of Heysham

Heysham

LA3 2XU

21

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 | $\geq 1(c)3$ |
| Resistance against sudden temperature changes and temperature differentials | $\geq 200+200$ |
| Wind, snow permanent and imposed load resistance | $\geq 4+4$ mm |
| Direct airborne sound insulation | ≤ 31 (-2; -5) dB |
| Thermal properties | $\leq 3.3W/(m^2K)$ |

Radiation properties:

| | |
|-----------------------------------|------------------|
| light transmission and reflection | $\geq 0.82/0.15$ |
| solar energy characteristics | $\geq 0.73/0.13$ |

Signed:

Position:


M-O

Date: 8th June 2021.



LANCASHIRE DOUBLE GLAZING T/As CCG GLASS

The Sherwood Building

Field Road

Port of Heysham

Heysham

LA3 2XU

21

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 | ≤ 31 (-2; -5) dB |
| Thermal properties | $\leq 3.3W/(m^2K)$ |
| Radiation properties: | |
| light transmission and reflection | $\geq 0.82/0.15$ |
| solar energy characteristics | $\geq 0.73/0.13$ |

Signed:

Position:

M. D.

Date: 8th June 2021.