



TOUGHENED SEALED UNITS PERFORMANCE CHARACTERISTICS

BS EN 1279:2018 PART 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)

ClaytonGlass

CLAYTON GLASS LTD

HARELAW INDUSTRIAL ESTATE, NORTH ROAD, STANLEY, DURHAM. DH9 8UX

UKCA MARK DECLARATION YEAR 2023

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	$\leq 31 (-2; -5)$ 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:.....

Date:09/01/2023

Position:Technical Manager (Group)



INSULATED SEALED GLASS UNITS PERFORMANCE CHARACTERISTICS

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

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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 (See EN 572-2)	$\geq 40+40K$
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:	NPD
Light Transmission and Reflection	$\geq 0.82/0.15$
Solar Energy Characteristics	$\geq 0.73/0.13$

Signed: 

Date:09/01/23

Position:Technical Manager (Group)



DECLARATION OF CONFORMITY

BS EN 1279:2018: GLASS IN BUILDING INSULATED SEALED GLASS UNITS

THIS DECLARATION CONFIRMS THE COMPANY BELOW HAVE CONFORMED WITH EN 1279-5 ANNEX ZA

ClaytonGlass

CLAYTON GLASS LTD

THIS DECLARATION COVERS ALL CLAYTON GLASS SITES AS DETAILED BELOW

- Harelaw (Head Office) Harelaw Industrial Estate, North Road, Stanley, Durham, DH9 8UX
- North Shields: Unit 4, Plymouth Road, West Chirton, South Industrial Estate, North Shields, NE29 7TY
- : Huthwaite: Orchard Ct, Nun Brook Lane, Huthwaite, Sutton-in-Ashfield, NG17 2HU
- Blackburn: Century House, Roman Road, Blackburn, Lancashire, BB1 2LD
- Canterbury: Marshwood Close, Canterbury, CT1 1DX
- Scotland: 6 James Street, Righead Industrial Estate, Bellshill, ML4 3LU

UKCA MARK DECLARATION YEAR 2023

THE COMPANY HAVE SUBMITTED PLAIN INSULATING GLASS UNITS FOR TESTING TO BS EN 1279 PARTS 2 & 3 AND SUCCESSFULLY MEET ALL REQUIREMENTS.

BS EN 1279:2: Polyurethane Sealant & Conventional Spacer Bar; Tested at BSI: Test Report No: 262/4193445
BS EN 1279:3 Polyurethane Sealant & Conventional Spacer Bar; Tested at TUV: Test Report No: TC-RAP-05-12427
BS EN 1279:2: Polysulphide Sealant & Conventional Spacer Bar; Tested at TUV: Test Report No: 89202495-10
BS EN 1279:3 Polysulphide Sealant & Conventional Spacer Bar; Tested at TUV: Test Report No: 89205377-09
BS EN 1279:2: Hotmelt Sealant & Conventional Spacer Bar; Tested at BSI: Test Report No: 262/4306411
BS EN 1279:3 Hotmelt Sealant & Conventional Spacer Bar; Tested at TNO: Test Report No: 371/7509201
BS EN 1279:2: Hotmelt Sealant & Foam Spacer Bar; Tested at BSI: Test Report No: 262/4808244
BS EN 1279:3 Hotmelt Sealant & Foam Spacer Bar; Tested at TUV: Test Report No: 9470R-10.27595

INSTIGATED AND IMPLEMENTED A SYSTEM OF FACTORY PRODUCTION CONTROL COMPLYING WITH BS EN 1279 PART 6
 HAVING INSULATED SEALED GLASS UNITS TESTED ANNUALLY TO THE REQUIREMENTS EN 1279 PART 6 BY CENSOLUTIONS LTD
 PRODUCED A TECHNICAL FILE CONTAINING THE TEST REPORT AND PERFORMANCE INDICATION PAPERS FOR ALL COMPONENTS

Signed: 

Date:09/01/2023

Position:Technical Manager (Group)