



**DECLARATION OF PERFORMANCE**  
**TG/CE-BR4NS-B**  
**CONSTRUCTION PRODUCT REGULATION 2011**

We hereby certify that the glass as stipulated below complies with the relevant provisions of the E.C. construction product regulation & the requirement of:

Product Identification:

21.5mm Clear BR4-NS Laminated Glass

Type / Batch / Serial Number:

Each glass has its own identification label attached including bar code for traceability.

Intended use:

Glass in building — Laminated glass and laminated safety glass.

Manufacturer:

Toughglaze (UK) Ltd  
Chandos Park Industrial Estate, 10-14 Chandos Road, North Acton NW10 6NF

System Assessment:

System 3

Harmonised Standard No. :

BS EN 14449:2005  
BS EN 1063:2000

Chandos Park Industrial Estate, 10 - 14 Chandos Road, North Acton, London, NW10 6NF

ToughGlaze (UK) Ltd

General Enquiries

Quotations / Processing

Accounts

W [www.toughglaze.com](http://www.toughglaze.com)  
E [info@toughglaze.com](mailto:info@toughglaze.com)

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F +44 (0) 208 838 3311

T +44 (0) 208 838 4400  
F +44 (0) 208 838 3322

T +44 (0) 208 838 6615 / 6110  
F +44 (0) 208 963 0666

### Declared Performance:

Light:			Energy:		
Transmittance	LT	NPD	Direct Transmittance	ET	NPD
	UV %	0%	Reflectance	ER	NPD
Reflectance Out	LR Out	NPD	Absorptance	EA	NPD
Reflectance In	LR in	NPD	Total transmittance	g	NPD
			Shading Coefficient Total		NPD
			Shading Coefficient Shortwave		NPD
Performance Code:			Sound Reduction	R <sub>w</sub> (C;C <sub>tr</sub> ) dB	NPD
U <sub>g</sub> – value/Light/Energy	NPD / NPD / NPD		Thermal Transmittance	W/m <sup>2</sup> K	NPD
Ra	NPD				
Additional Values:					
Bullet Resistance	EN 1063	BR4NS	Burglar Resistance	EN 356	P5A
Explosion Resistance	ISO16933	NPD	Pendulum Body Impact Resistance	EN 12600	1(B)1
Load Resistance (mm)		21.5	Resistance to Temperature		
Reaction to Fire	EN 13501	NPD	Differentials (K)		40
Resistance to Fire	EN 1364	NPD	External Fire Performance		NPD
<p>* The values of some of the characteristics are stated as NPD which is for “No Performance Determined”.</p> <p>* Calculations are made according to EN 410 and 673/12898.</p> <p>* All data and values are subject to tolerances and ToughGlaze (UK) Ltd Terms &amp; Conditions.</p> <p>* Certification: D J Goode &amp; Associates Ltd (TS033 – ToughGlaze).</p> <p>* BSI report (Ref 2370/7948560).</p>					

Signed for and on behalf of manufacturer by:

Mr. Bhavik Varsani  
(Managing director)



Location: London, UK

Date: Friday, 30 October 2015

Chandos Park Industrial Estate, 10 - 14 Chandos Road, North Acton, London, NW10 6NF

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