

Test report no.: <i>Testrapport nr.:</i>	89222958-120	Order No.: <i>Opdracht nr.:</i>	N/A	Page 1 of 8 <i>Pagina 1 van 8</i>
Client Reference No.: <i>Klantreferentie nr.:</i>	N/A	Order date: <i>Opdrachtdatum:</i>	2023-04-26	
Client: <i>Klant:</i>	FRAMELESS GLASS CURTAINS UNIT 6 BALLARD BUSINESS PARK CUXTON ROAD, STROOD, KENT ME2 2NY			
Test item: <i>Testvoorwerp:</i>	Doorset			
Identification/ Type No.: <i>Benaming / Type nr.:</i>	P5 SYSTEM			
Order content: <i>Inhoud opdracht:</i>	Tests which have been performed in order to establish whether or not the building product meets the applicable requirements of BSI Standard PAS24.			
Test specification: <i>Testomschrijving:</i>	BSI Standard PAS 24:2022 ^a Enhanced security performance requirements for door sets and windows in the UK, door sets and windows intended for a level of security suitable for dwellings and other buildings exposed to comparable risk.			
Date of sample receipt: <i>Ontvangstdatum monster:</i>	2023-06-28			
Test sample No.: <i>Testproefstuk nr.:</i>	ERCT 231491-1			
Testing period: <i>Testperiode:</i>	2023-06-29			
Place of testing: <i>Testlocatie:</i>	Leigh, United Kingdom			
Testing laboratory: <i>Testlaboratorium:</i>	ERC Testing Ltd			
Test result*: <i>Testresultaat*:</i>	Pass			
tested by: <i>getest door:</i>	Morgan Rogerson 	authorized by: <i>geautoriseerd door:</i>	X 	
Date: 2023-07-26 <i>Datum:</i>		Issue Date: 2023-08-04 <i>Datum uitgave:</i>		Ondertekend door: Tim Zandvliet
Position / functie:	Expert	Position / functie:	Expert	
Others / <i>Andere:</i>	Tests were performed at the laboratory of, and executed by personnel of ERC Testing Ltd, Unit A8(3), Pennington Court, Walter Leigh Way, Moss Industrial Estate, Leigh WN7 3PT, United Kingdom under responsibility of the Notified Body TÜV Rheinland Nederland B.V.			
Condition of the test item at delivery: <i>Toestand van het test voorwerp bij ontvangst:</i>	Test item complete and undamaged			
<small>* Legend:</small>	<small>P(ass) = passed a.m. test specification(s)</small>	<small>F(ail) = failed a.m. test specification(s)</small>	<small>N/A = not applicable</small>	<small>N/T = not tested</small>
<small>* Legenda:</small>	<small>P(ass) = voldoet aan test omschrijving</small>	<small>F(ail) = voldoet niet aan test omschrijving</small>	<small>N/A = niet van toepassing</small>	<small>N/T = niet getest</small>
<p>This test report only relates to the aforementioned test object. This test report may not be reproduced in parts without the permission of the test centre. This inspection report does not entitle you to bear any quality mark.</p> <p><i>Dit testrapport heeft alleen betrekking op het voornoemde test voorwerp. Zonder toestemming van het testcentrum mag dit testrapport niet in delen worden vermenigvuldigd. Dit keuringsrapport geeft geen recht op het dragen van enig keurmerk.</i></p>				

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Remarks
Opmerkingen

- | | |
|---|---|
| 1 | <p>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. The decision rule for statements of conformity in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance to and ILAC-G8:09/2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account.</p> <p><i>De apparatuur die tijdens de gespecificeerde testperiode is gebruikt, is gekalibreerd volgens ons testlaboratoriumkalibratieprogramma. De apparatuur voldoet aan de eisen die zijn opgenomen in de relevante normen. De traceerbaarheid van de gebruikte testapparatuur wordt gewaarborgd door naleving van de voorschriften van ons managementsysteem. De beslisregel voor conformiteitsverklaringen in dit testrapport is gebaseerd op de "Zero Guard Band Rule" en "Simple Acceptance" in overeenstemming met en ILAC - G8:09/2019 en IEC Guide 115:2021, tenzij anders aangegeven in de toegepaste norm vermeld op pagina 1 van dit rapport of aangevraagd door de klant. Dit betekent dat er geen rekening wordt gehouden met de meetonzekerheid.</i></p> |
| 2 | <p>As contractually agreed, this document has been signed digitally only. TÜV Rheinland has not verified and is unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TÜV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged.</p> <p><i>Zoals contractueel overeengekomen is dit document enkel digitaal ondertekend. TÜV Rheinland heeft niet geverifieerd en kan niet verifiëren welke wettelijke of andere vereisten van toepassing zijn op dit document. Een dergelijke verificatie valt onder de verantwoordelijkheid van de gebruiker van het document. Op verzoek van de opdrachtgever kan TÜV Rheinland de geldigheid van de digitale handtekening bevestigen door een apart document. Een dergelijk verzoek moet worden gericht aan onze verkoopafdeling. Voor een dergelijke extra service zal een milieutoeslag in rekening worden gebracht.</i></p> |
| 3 | <p>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report. Tests clauses marked with ^a are performed under ISO 17025 accreditation. Deviations of testing specification(s), test locations or customer requirements are listed in specific test clause in the report. No opinions or interpretation are included in this report. This test report consists of multiple pages and is only to be read as a whole. The number of pages can be seen in the header on the top right of each page, the report ends when the last page is reached. TÜV Rheinland Nederland B.V. is solely responsible for the content.</p> <p><i>Test onderdelen welke met * zijn gemarkeerd zijn uitbesteed aan gekwalificeerde onderaannemers en zijn beschreven in het respectievelijke test onderdeel van dit rapport. Test onderdelen welke met ^a zijn gemarkeerd zijn onder ISO 17025 accreditatie uitgevoerd. Afwijkingen van testspecificatie(s), testlocaties of klant eisen zijn vermeld in het van toepassing zijnde onderdeel in het rapport. Er zijn geen opinies en interpretaties opgenomen binnen het rapport. Dit rapport bestaat uit meerdere pagina's en dient als geheel gelezen te worden. Het aantal pagina's is rechtsboven in de koptekst van dit rapport vermeld en eindigt wanneer de laatste pagina is bereikt. TÜV Rheinland Nederland is als enige verantwoordelijk voor de inhoud van het rapport.</i></p> |
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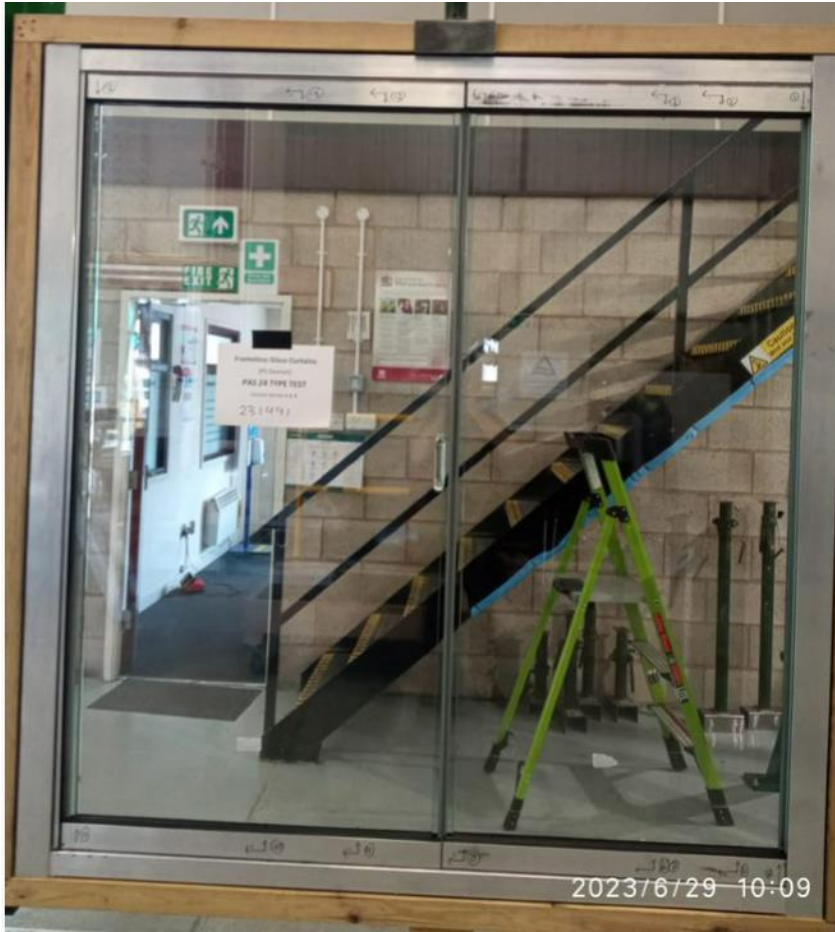
Product description
 Product omschrijving

1.	Product details:	Name of the manufacturer	FRAMELESS GLASS CURTAINS LTD
		Address of the manufacturer	UNIT 6 BALLARD BUSINESS PARK CUXTON ROAD, STROOD, KENT ME2 2NY
		Production plant of the samples	UNIT 6 BALLARD BUSINESS PARK
		Line ID where the samples are made	N/A
		Production date	2022-6
		The product was marked as	SECURITY
		Dimensions of the sample(s)	1990mm x 2100mm
		Product description	P5 GLASS CURTAIN
		Type(s) of construction	FIXED
		Profile references	OUTER: P5 DOUBLE GLAZED SASH: GLASS
		Origin of materials/type(s) of material	ALUMINIUM
		Surface treatment of materials	N/A
		Types of doors	GLASS CURTAIN DOOR
		Family Leader name (representative test specimen - most unfavourable)	P5 SYSTEM
Maximum sold size (width x height)	SEE SCOPE OF CERTIFICATION		
2.	Construction and hardware:	Method of frame jointing	CRIMPED & SCREWED
		Framing, profile and reinforcement detail	OUTER: N/A TRANSOM: N/A MULLION: N/A SASH: N/A
		Types of beading, gaskets, glazing method or any other security feature present	BEAD: EUROBOND FASSTEC SEALS: FURS/ SCHLEGAL/ RUBBERS

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Product description
 Product omschrijving

		Type and (overall) thickness of glazing (or infill medium)	TOUGHENED – 6-16-6 – INTERNALLY BEADED
		Types and details of hardware	HINGE: WHEELS LOCK: COMPRESSION LOCKING SYSTEM HANDLE: KORA HANDLE
		Types and details of hardware fixings	REINFORCING: AMO SCREWS LOCK: M6 C'SUNK SCREW SS HANDLE: M5 C'SUNK SCREW SS CYLINDER: M5 CAPHEAD SCREW SS
3.	Detailed drawing of the sample:		
4.	Other:	Test sample(s), as well sample information, description, product details and intended usage was provided by customer.	
5.	Test sample obtaining:	<input checked="" type="checkbox"/> Sending by customer <input type="checkbox"/> Sampling by TÜV Rheinland Group <input type="checkbox"/> others:	

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Clause Deel	Requirements - Tests / Vereisten - Tests	Measuring results Meetresultaten	Result Resultaat
6.	<p>BSI standard PAS24:2022^{a*} <i>Doorsets</i></p> <p><i>To claim conformity to this PAS, doorsets and windows shall be classified according to their intended use for all relevant characteristics in accordance with BS 6375 (all parts) and shall meet the relevant requirements of the relevant material specific standard such as BS 7412, BS 4873, BS 6510, BS 8529 and BS 644.</i></p> <p>To claim conformity to this PAS, doorsets shall meet the requirements of 4.2, 4.3, 4.4 and Annex A of this PAS and either Annex B or BS EN 1627, RC3.</p>		
	<p>Annex A - Security hardware and cylinder test Attempt to gain entry through the lock, cylinder and associated security hardware with the manual tools described in the standard. 3-minute attack.</p>	<p>PARTS 1/2/3: NOT TESTED – NO CYLINDER OR HANDLE ACCESSABLE FROM EXTERNAL FACE</p>	<p>P <input type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input checked="" type="checkbox"/></p>
	<p>4.3 - Letter plate test Verify whether the requirements of 4.3 are fulfilled</p>	<p>N/A AS NO LETTER PLATE FITTED.</p>	<p>P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/></p>
	<p>Annex B.4.6. - Manual check test Explore weaknesses and vulnerabilities</p>	<p>PASS – NO ENTRY GAINED</p>	<p>P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/></p>
	<p>Annex B.4.7. - Additional mechanical loading test If entry is gained in B.4.6, attempt to gain entry by applying mechanical load in accordance with B.6.</p>	<p>NOT TESTED – NO ENTRY GAINED ON MANUAL CHECK</p>	<p>P <input type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input checked="" type="checkbox"/></p>
	<p>Annex B.4.4.3 - Mechanical test on infill Apply a specified sequence of loads on infill medium</p>	<p>PASS – NO ENTRY GAINED</p>	<p>P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/></p>
	<p>Annex B.4.3.a - Manipulation test a) Attempt to gain entry</p>	<p>PASS – NO ENTRY GAINED</p>	<p>P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/></p>
	<p>Annex B.4.4.4 - Manual cutting test Attempt to gain entry</p>	<p>NOT TESTED – ALUMINIUM PRODUCT WITH FULL HEIGHT GLASS</p>	<p>P <input type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input checked="" type="checkbox"/></p>
	<p>Annex B.4.5 - Mechanical loading test Apply a specified sequence of loads. 4.5kN perpendicular load and 1.5kN parallel to plane load.</p>	<p>PASS – NO COMPONENT FAILURES, NO ENTRY GAINED</p>	<p>P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/></p>
	<p>Annex B.4.3.b - Manipulation test b) Attempt to gain access to fixings after mechanical loading has been conducted</p>	<p>NOT TESTED – NO SCREWS EXPOSED FOLLOWING MECHANICAL LOAD</p>	<p>P <input type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input checked="" type="checkbox"/></p>

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Clause Deel	Requirements - Tests / Vereisten - Tests	Measuring results Meetresultaten	Result Resultaat
	Annex B.4.4.2 - Manual test on infill Attempt to gain entry via the infill retention system. Using manual tools as described in the standard.	PASS – NO ENTRY GAINED	P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
	Annex B.4.8 - Soft body impact test Apply a specified sequence of loads on infill & profile	PASS – NO ENTRY GAINED	P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
	Annex B.4.9.2.2 - Hard body impact test – door leaf Apply a specified sequence of loads on profile	PASS – NO ENTRY GAINED.	P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
	Annex B.4.9.2.3 - Hard body impact test – Infill medium Apply a specified sequence of loads on none glass infill medium	N/A AS NO INFILL.	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input checked="" type="checkbox"/>

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Conclusion
Conclusie

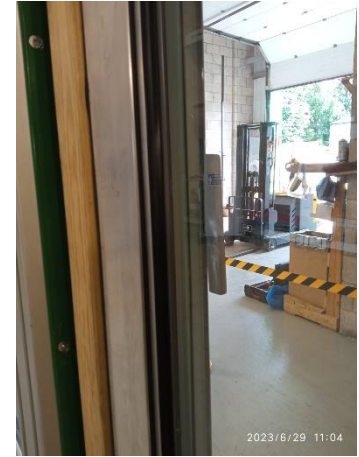
7.	Test data:	Test equipment:	ID77 Security test rig ref PAS 24 testing
		Test results:	FRAMELESS GLASS CURTAINS ERCT 231491 Doc Ref - 47v03 PAS24 2022 ITT Door Results Form (1).xlsx
8.	Classification:	Requirement:	Doorsets meeting the requirements of Annex B using the entry definition in 3.9
		Classification:	D
9.	Conclusion:	The tested product P5 SYSTEM as described under 1. Product details, by FRAMELESS GLASS CURTAINS meets the applicable requirements of BSI standard PAS24:2022. The test results exclusively relate to the specific range of tested objects and the conditions under which the tests were conducted.	

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Photodocumentation
Foto-documentatie

10. Pictures and drawings of the tested objects:



11. Pictures of test rig:

