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TECHNICAL REPORT

Sayfa Group (Europe) Ltd	SATRA reference:	SPC4684F4T4	ATA
Unit B1	Sayria	2341	3
Research Point	Report ID/Issue number:	34886/1	Salm
Shepshed	Your reference:	4684F	STA Grov
Leicestershire	Date samples received:	to	
LE19 1WH	Date(s) work carried out:	27/10/2023 to 27/10/2023	
rouk 468 _{4F4} T ₄	Date of report:	28/11/2023	

Testing Requirements

Limted testing of a horizontal anchor rail described as "ESR.085.097.6000.3U EdgeSeil Rail" in accordance with BS 8610:2017 type D2, D3 & D5 - non-load-limiting for static strength only on a 500mm cantilever overhang for up to 3 users

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Report Signed by:

Oroup (Europe) Ltd

Edward Brooks

Report Signatory

Sayfa Group (El

SPC4684F4T4



Sayfa Group (Europe) Ltd **Technical Report**

WORK REQUESTED

Samples of "ESR.085.097.6000.3U EdgeSeil Rail" were received by SATRA on the 27th October 2023, for testing in accordance with BS 8610:2017 type D2, D3 & D5 - non-load-limiting for up to 3 users

CONCLUSIONS

SAMPLE REFERENCE	STANDARD	CLAUSE / PROPERTY	PASS / FAIL
ESR.085.097.6000.3U EdgeSeil Rail	BS 8610:2017	4.5.3.3 Type D2, D3 & D5 – non-load-limiting – static strength only on 500mm cantilever overhang	PASS

TESTING

Testing was carried out in accordance with BS 8610:2017 on the 27th October 2023

The anchor device is intended as a type D (rigid anchor rail) device

The anchor device allows up to a maximum of three users to be attached simultaneously

Sayfa Group (Europe) Ltd For the purposes of testing, the anchor device was installed onto concrete, with test forces applied in a direction parallel to the ground

Samples were tested as received, and were not subject to any pre-conditioning processes other than those stated in individual test clauses



Figure 1 - Anchor described as "ESR.085.097.6000.3U EdgeSeil Rail"

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TEST RESULTS

Table 1 – Testing of "ESR.085.097.6000.3U EdgeSeil Rail" in accordance with BS 8610:2017, Type D2, D3 & D5 – non-load-limiting

BS 8610:2017 CLAUSE / TEST	BS 8610:2017 REQUIREMENT	RESULT / COMMENT	UoM (See note 1)	PASS / FAIL
4.5.3.2 Type D2,	4.5.3.2.3 When tested	Position: 500mm cantilever overhang		
D3 & D5 – non-	for static strength and	Required force: 27kN		Sa
load-limiting	deformation with the	(Eur	0-	alle a
	load applied via the	27kN sustained for 3 minutes without	084F	, G
	anchor point on each	failure	AT A	
	traveller to:	4	-	
20	a) the rigid anchor line	See note 3		
~C	at the centre of the			
	longest span permitted	Dr.		
Grope) Ltd	by the manufacturer;	SPO	Salve	
• • •	b) extremity anchors;	460	2/9	0.
	c) intermediate anchors,	OPP TO AFAX	± 50 N	roup
	where fitted;	(Europe) Ltd CA684F4T4	See note	PASS
	d) corner anchors,		2	1 700//
Sp	where fitted; and		2	
C460	e) entry/exit line fittings			
AFI	and joints, cantilevers,	.0.		
*14	and end stops, where	C/2 all		
	fitted,	7684	Gra	
	the anchor system shall	e) Lt.	40 1	
	hold the load and no	14	Eyr	
0	part of the anchor		7.0	Poe) Lta
Salva	system shall			Lid
168	demonstrate permanent			*
TEAT	deformation of more	Sp. Sp.		
4	than 10mm	C40 ANIS		

ADDITIONAL INFORMATION / NOTES

Note 1 – 'UoM' denotes estimated Uncertainty of Measurement for stated test results. This uncertainty value is based on a standard uncertainty multiplied by a coverage factor k = 2, which provides for a confidence level of approximately 95%

Note 2 – Estimated uncertainty of measurement applied at point of test (e.g. to applied force or to tolerance limits) to ensure product meets requirements of the standard

Note 3 – Static strength testing carried out by manually increasing loading, therefore rate of stressing / crosshead velocity as per EN 364: 1992 Clauses 4.1.2.1 & 4.1.2.2 cannot be accurately determined (see VG11 recommendation for use sheet CNB/P/11.023 dated 25.10.2007)

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When reporting results against a conformance statement (Pass/Fail or the allocation of a class or level) then uncertainty of measurement is taken into account based on a non-binary acceptance which itself is based on the guard band being equal to the expanded uncertainty.

Where the result corrected for uncertainty falls within the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 2.5% and SATRA will in this instance quote a Pass/Fail, class, or level.

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