




SCOPE OF CERTIFICATION

Aluminium Window Scheme to BS4873 & PAS24:2016

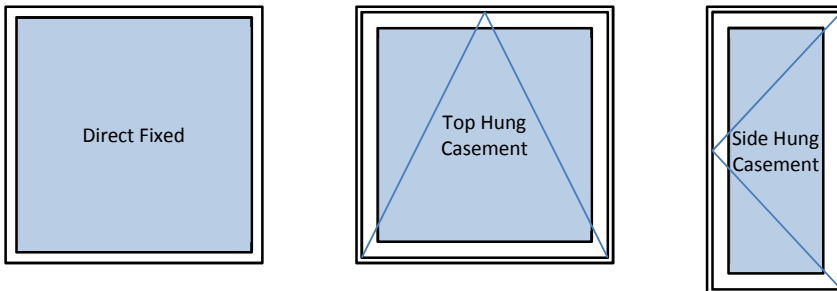
Manufacturer of Enhanced Security Windows in accordance with the Exova BM TRADA Q-Mark Scheme requirements.
(Check with Secured by Design to ensure compliance with any additional requirements).

Multifab Ltd Chiswick Avenue Mildenhall Suffolk IP28 7AY	 <p>This scope of certification supports WGPS Certificate 026/178 ESW Certificate 031/172</p> <p style="font-size: small;">The validity of this scope document should be checked against the current schedule of the Company's certification listed on the Exova BM TRADA website www.exovabmtrada.com.</p>	
Completed: S. Hackett 	Checked: M. Chorlton 	


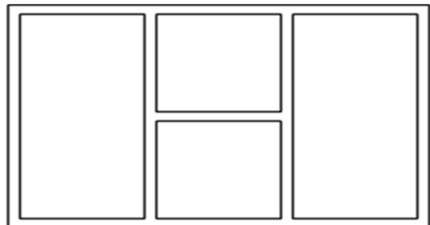
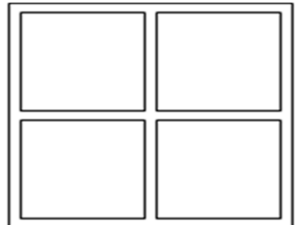
Issue: 2	Date: 30/01/2018	Details: Scope format updated to PAS 24:2016
Product Name: <p style="text-align: center;">Concept Series Casement Range – Outward Opening, Aluminium Casement Window</p>	This document remains the intellectual property of Exova BM TRADA. It shall not be made available to another person or company without the prior written permission of Exova BM TRADA.	
<p style="text-align: center;">Window Classification 'W'</p>	Test evidence is held on file by Exova BM TRADA	

Design options

Designs shown below are diagrammatical only. Refer to minimum / maximum sizes below for clarification.



Transom and mullion joints Type A, B, C, are only allowed within window outer frames for this scope.

<p style="text-align: center;">Type A</p> Transoms or mullions connected only to the outer frame / casement 	<p style="text-align: center;">Type B</p> Transoms or mullions connecting to another transom or mullion as a 'T' joint. 	<p style="text-align: center;">Type C</p> Transoms or mullions connecting to another transom or mullion as a 'Cruciform' joint. 
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Weather rating

BS6375 part 1 Exposure category 1200 (on largest specimen)
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Maximum casement size

Top hung (not including frame)	895mm wide x 1590mm high
Side hung (not including frame)	922mm wide x 1635mm high

Casement

	Material/type	Dimensions (mm)
Stiles and rails	Reynaers aluminium (Ref. 005.1492)	89 x 59
	Reynaers aluminium (Ref. 005.1412)	102 x 59
	Reynaers aluminium (Ref. 005.1421)	115 x 59
	Reynaers aluminium (Ref. 008.3492)	89 x 68
	Reynaers aluminium (Ref. 008.3412)	102 x 68
	Reynaers aluminium (Ref. 008.3421)	115 x 68
Rebate	Single type	55 x 25
Joints	Mitred and jointed with corner cleat	-
Adhesive	Epoxy resin	-

Window frame

	Material/type	Dimensions (mm)
Stiles and rails	Reynaers aluminium (Ref. 005.1436)	51 x 59
	Reynaers aluminium (Ref. 005.1483)	64 x 59
	Reynaers aluminium (Ref. 005.1425)	77 x 59
	Reynaers aluminium (Ref. 005.1440)	90 x 59
	Reynaers aluminium (Ref. 008.3436)	51 x 68
	Reynaers aluminium (Ref. 008.3483)	64 x 68
	Reynaers aluminium (Ref. 008.3412)	77 x 68
	Reynaers aluminium (Ref. 008.3421)	90 x 68
Rebate	Single type	55 x 25
Coupled transom / mullion	Reynaers aluminium (Ref. 005.0895)	20 x 59
Joints	Mitred and jointed with corner cleat	-
Adhesive	Epoxy resin	-

Perimeter sealing details

	Make / type	Size (mm)	Location
Casement edges	Reynaers acoustic seal (Ref. 080.9432)	7 wide	On rebate upstand
Frame reveal	Reynaers acoustic seal (Ref. 080.9432)	7 wide	On rebate upstand
Seal continuity	Uninterrupted	-	-

Hardware

	Make/type	Size (mm)	Fixing details (dimensions in mm)
Hinges	Securistyle Sterling hinge	Various	5 x 16 machine screws into frame 5 x 16 machine screws & 4 x 16 screw into casement
Hinge protection	2No. Securistyle Vector excluders	95 x 16	4 x 20 screws into frame 4 x 20 screws into casement
Locking mechanism	Reynaers lock plate (Ref. 060.7073) Roto square drive case(Ref. E597) or Reynears drive case (Ref. 060.700)	14 wide	Slotted into casement profile fixed by 4No. 5 x 6 grub screws
Keeps	Supplied with lock (Ref. E666)	39 x 26	5 x 30 machine screws
Handles	Hoppe Tokyo locking handle	Minimum lever length 130	5 x 26 machine screws
	Reynears window handles		
	Reynears Purity range		
Letter plate	Any letter plate used on a Q-Mark certified window or doorset must have evidence of compliance with TS 008:2015 security grade 2	Maximum aperture size: 260mm x 40mm.	Installation height between 400mm – 1800mm

Glazing

	Make/type/size (mm)	Location (dimensions in mm)
Glass thickness	24 - 48 insulating glass unit (double glazed)	Note: If non-locking handle is used then at least 1 pane of glass must be laminated to BS EN 356 class P1A
Glazing bead	See tables below	-
Gaskets	EPDM (Ref. 080.9114)	Between profile upstand and glass
	Other gaskets see tables below	Between bead and glass
Bead fixings	Clip fitted into aluminium profiles	-

CS 68 Glazing

Glazing thickness (mm)	Glazing bead fixed light	Gasket between glass and bead
24	Aluminium (Ref. 030.3611)	EPDM (Ref. 080.9124)
25	Aluminium (Ref. 030.3610)	EPDM (Ref. 080.9126)
26	Aluminium (Ref. 030.3610)	EPDM (Ref. 080.9125)
27	Aluminium (Ref. 030.3610)	EPDM (Ref. 080.9124)
28	Aluminium (Ref. 030.3609)	EPDM (Ref. 080.9126)
29	Aluminium (Ref. 030.3609)	EPDM (Ref. 080.9125)
30	Aluminium (Ref. 030.3609)	EPDM (Ref. 080.9124)
31	Aluminium (Ref. 030.3608)	EPDM (Ref. 080.9126)
32	Aluminium (Ref. 030.3608)	EPDM (Ref. 080.9125)
33	Aluminium (Ref. 030.3608)	EPDM (Ref. 080.9124)
34	Aluminium (Ref. 030.3607)	EPDM (Ref. 080.9126)
35	Aluminium (Ref. 030.3607)	EPDM (Ref. 080.9125)
36	Aluminium (Ref. 030.3607)	EPDM (Ref. 080.9124)
37	Aluminium (Ref. 030.3606)	EPDM (Ref. 080.9126)
38	Aluminium (Ref. 030.3606)	EPDM (Ref. 080.9125)
39	Aluminium (Ref. 030.3606)	EPDM (Ref. 080.9124)

CS 77 Glazing

Glazing thickness (mm)	Glazing bead fixed light	Gasket between glass and bead
24	Aluminium (ref. 030.3614)	EPDM (ref. 080.9124)
25	Aluminium (ref. 030.3613)	EPDM (ref. 080.9126)
26	Aluminium (ref. 030.3613)	EPDM (ref. 080.9125)
27	Aluminium (ref. 030.3613)	EPDM (ref. 080.9124)
28	Aluminium (ref. 030.3612)	EPDM (ref. 080.9126)
29	Aluminium (ref. 030.3612)	EPDM (ref. 080.9125)
30	Aluminium (ref. 030.3612)	EPDM (ref. 080.9124)
31	Aluminium (ref. 030.3611)	EPDM (ref. 080.9126)
32	Aluminium (ref. 030.3611)	EPDM (ref. 080.9125)
33	Aluminium (ref. 030.3611)	EPDM (ref. 080.9124)
34	Aluminium (ref. 030.3610)	EPDM (ref. 080.9126)
35	Aluminium (ref. 030.3610)	EPDM (ref. 080.9125)
36	Aluminium (ref. 030.3610)	EPDM (ref. 080.9124)
37	Aluminium (ref. 030.3609)	EPDM (ref. 080.9126)
38	Aluminium (ref. 030.3609)	EPDM (ref. 080.9125)
39	Aluminium (ref. 030.3609)	EPDM (ref. 080.9124)
40	Aluminium (ref. 030.3608)	EPDM (ref. 080.9126)
41	Aluminium (ref. 030.3608)	EPDM (ref. 080.9126)
42	Aluminium (ref. 030.3608)	EPDM (ref. 080.9125)
43	Aluminium (ref. 030.3607)	EPDM (ref. 080.9124)
44	Aluminium (ref. 030.3607)	EPDM (ref. 080.9126)
45	Aluminium (ref. 030.3607)	EPDM (ref. 080.9125)
46	Aluminium (ref. 030.3606)	EPDM (ref. 080.9124)
47	Aluminium (ref. 030.3606)	EPDM (ref. 080.9126)
48	Aluminium (ref. 030.3606)	EPDM (ref. 080.9125)

Glazing (externally beaded fixed lights)

	Make/type/size (mm)	Location (dimensions in mm)
Glass thickness	32 insulating glass unit (double glazed)	Note: If non-locking handle is used then at least 1 pane of glass must be laminated to BS EN 356 class P1A
Glazing bead	Aluminium (Ref. 030.3897)	-
Gaskets	EPDM (Ref. 080.9118)	Between profile upstand and glass
	Reynears (Ref. 080.9130)	Between bead and glass
Glazing clip	GT Window products Glazing clip (Ref, SC121)	Nominal 220 from unit corners and maximum 880 centres between clips
Bead fixings	Clip fitted into aluminium profiles	-