30 Min Fire Integrity Installation Instructions for DorGlaze® DUO Twin Glazed Vision Panels: Internal Door

- **Please see below for aperture cutout dimensions - we have ticked the relevant box**
- **See overleaf for fitting instructions**
- **These dimensions are for 30 min fire integrity Vision Panels (you should have a separate set of instructions for non-fire rated Vision Panels)**

Your Model is Ticked Below	Product Description	Product Code	Aperture cut-out dimensions
☐	**Small Circular** Internal Diameter: 150 mm / Overall Diameter: 247 mm	CIRC0150	178mm diameter
☐	**Medium Circular** Internal Diameter: 210 mm / Overall Diameter: 305 mm	CIRC0210	238mm diameter
☐	**Large Circular** Internal Diameter: 315 mm /Overall Diameter: 412 mm	CIRC0315	343mm diameter
☐	**Circular DOCM** Internal Diameter: 350 mm / Overall Diameter: 447 mm	CIRC0350	378mm diameter
☐	**XL Circular** Internal Diameter: 423 mm / Overall Diameter: 520 mm	CIRC0423	451mm diameter
☐	**XXL Circular** Internal Diameter: 530mm / Overall Diameter: 640 mm	CIRC0530	558mm diameter
☐	**Circular Peephole** Internal Diameter: 53 mm / Overall Diameter: 105 mm	CIRC0053	See attached drawing
☐	**Medium Square** Internal Dims: 220mm x 220 mm / Overall Dims: 310mm x 310mm	SQUA0220	248mm x 248mm
☐	**Large Square** Internal Dims: 270mm x 270 mm / Overall Dims: 360mm x 360mm	SQUA0270	298mm x 298mm
☐	**XL Square** Internal Dims: 385mm x 385 mm / Overall Dims: 485mm x 485mm	SQUA0385	413mm x 413mm
☐	**XXL Square** Internal Dims: 495mm x 495 mm: / Overall Dims:595mm x 595mm	SQUA0495	523mm x 523mm
☐	**Square Peephole** Internal Dims: 67mm x 67 mm / Overall Dims: 133mm x 133mm	SQUA0067	See attached drawing
☐	**XL Rounded Square** Internal Dims: 385mm x 385 mm / Overall Dims: 485mm x 485mm	RSQU0385	413mm x 413mm
☐	**Rounded Square** Internal Dims: 270mm x 270mm / Overall Dims: 367mm x 367mm	RSQU0270	298mm x 298mm
☐	**XL Rounded Rectangle** Internal Dims: 202mm x 1050mm / Overall Dims: 302mm x 1150mm	RREC1050	230mm x 1078mm
☐	**Large Rounded Rectangle** Internal Dims: 182mm x 318 mm / Overall Dims: 279mm x 415mm	RREC0318	210mm x 346mm
☐	**XXL Rounded Slimline** Internal Dims: 122mm x 1522mm / Overall Dims: 222mm x 1622mm	RSLM1522	150mm x 1550mm
☐	**XL Rounded Slimline** Internal Dims: 122mm x 1050mm / Overall Dims: 222mm x 1150mm	RSLM1050	150mm x 1078mm
☐	**Large Rounded Slimline** Internal Dims: 64mm x 621mm / Overall Dims: 151mm x 708mm	RSLM0621	See attached drawing
☐	**Medium Rounded Slimline** Internal Dims: 64mm x 370mm / Overall Dims: 151mm x 457mm	RSLM0370	See attached drawing
☐	**Small Rounded Slimline** Internal Dims: 64mm x 273mm / Overall Dims: 151mm x 360mm	RSLM0273	See attached drawing
☐	**XXL Rectangle** Internal Dims: 122mm x 1522mm / Overall Dims: 222mm x 1622mm	RECT1522	150mm x 1550mm
☐	**XL Rectangle** Internal Dims: 122mm x 1050mm / Overall Dims: 222mm x 1150mm	RECT1050	150mm x 1078mm
☐	**Large Rectangle** Internal Dims: 202mm x 502mm / Overall Dims: 300mm x 600mm	RECW0202	230mm x 530mm
☐	**Medium Rectangle** Internal Dims: 122mm x 502mm / Overall Dims: 220mm x 600mm	RECW0122	150mm x 530mm
☐	**XL Wide Rounded** Internal Dims: 210mm x 1100mm / Overall Dims: 305mm x 1195mm	WROU1100	See attached drawing
☐	**Large Wide Rounded** Internal Dims: 210mm x 500mm / Overall Dims: 305mm x 595mm	WROU0500	See attached drawing
☐	**XL Ellipse** Internal Dims: 360mm x 460mm / Overall Dims: 456mm x 556mm	ELIP0460	See attached drawing
☐	**Large Ellipse** Internal Dims: 250mm x 350mm / Overall Dims: 346mm x 446mm	ELIP0350	See attached drawing

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30 Min Fire Integrity Installation Instructions for DorGlaze® DUO Twin Glazed Vision Panels: Internal door

- **Please see below for the fitting instructions - The aperture cutout dimensions are overleaf.**
- **These instructions are for 30 min fire integrity Vision Panels (there is a separate set of instructions for non-fire rated Vision Panels)**

Please read through these instructions before commencing installation, and check that you comply with all relevant regulations.

The glazing system has been assessed and should provide up to a 30 minute fire integrity performance should the assemblies be tested in accordance with BS EN 1634-1 (doorsets) or the relevant clause of BS 476: Part 22: 1987 (doorsets), provided that they are fitted as described below by competent installers into previously tested door leaves and provided that the following particular aspects of the door assembly are maintained:

- **Not all doorsets are capable of accepting glazed vision panels so it is of critical importance that the supporting test evidence, assessment or approval of the doorsets are checked to ensure acceptability.**
- **The doorset, including door frame and associated building hardware, should have achieved at least 30 minutes integrity when tested (or assessed by a suitable fire certification and accreditation consultancy) as acceptable for this purpose to BS EN 1634-1 or BS 476: Part 22: 1987.**
- **If the proposed doorset is to be used in a double-leaf configuration, the test or assessment evidence should be applicable to double-leaf configurations.**
- **Likewise, if the proposed doorset is to be used in the unlatched configuration, the available evidence should be applicable to unlatched doorsets.**
- **The proposed doorset should also have included a glazed aperture or apertures of the intended size, shape, area and number.**
- **The door leaf shall include either a solid flaxboard, graduated density chipboard or timber lamel core.**
- **The minimum distance to edge of door or another vision panel, measured from aperture cut out is 125mm. The edge of the metal face may therefore be closer than this.**

Step 1 : Cut the aperture

1. Use the dimensions provided overleaf to mark the aperture cut-out on the door.
2. Use a router or jigsaw to cut the aperture in the door. Cut carefully along the line you marked. Ensure that you cut at a right angle through the door.
3. Insert glazing unit (the side of the Vision Panel with glass attached) into aperture to check that there is a 3-4 mm gap between the edge of the glass and aperture (the gap is to fit the 2mm thick intumescent aperture liner). If the aperture is too small examine which areas need to be cut away and enlarge in these areas.

Step 2: Fit the Vision Panel

☐ **A: Cap Fixings / Resistorx Fixings**

1. Place the intumescent aperture liner around aperture. Trim to correct length (the ends/sides should butt up to each other) and width (the width should match the thickness of the door panel). Use a staple gun or double sided tape to fix in place.
2. Insert glazing unit into the door and align to desired position. The glazing unit should rest on the bottom of the cut out (this is to prevent any parts from slipping downwards over time). Mark screw holes.
3. Remove glazing unit from the door and drill pilot holes where you have marked. Use a 2 mm drill bit, drilling approximately 20mm deep. Take care to drill in the centre of your marks and at 90 degrees to the door.
4. Reinsert glazing unit into aperture in door. Line up fixing holes and screw into place.
5. Place single face onto other side of door and line up with glazing unit. The fixing holes on each side of the door must not clash and should be at equal distance from each other (if necessary rotate face to achieve this). Mark holes for fixings, remove face, and drill holes as before. Place single face in correct position and screw into place as before. Twist on screw caps (if using Cap fixings).

Cap fixings: Please note, after installation it is possible for the decorative fixing caps to be removed. If this is undesired (e.g for safety or security reasons) it is possible to use a suitable semi-permanent thread-lock on the thread of the caps.

☐ **B: Hex Socket Through Fixings**

1. Place the intumescent aperture liner around aperture. Trim to correct length (the ends/sides should butt up to each other) and width (the width should match the thickness of the door panel). Use a staple gun or double sided tape to fix in place.
2. Insert glazing unit into wall and align to desired position. The glazing unit should sit centrally in the aperture. Use softwood, hardboard or non-combustible setting blocks to achieve this. Ensure that the bottom of the glass and metal aperture liner are adequately supported (this is to prevent any parts from slipping downwards over time). Mark screw holes.
3. Remove glazing unit from door and drill holes where you have marked. Use a 12mm diameter drill bit to drill through the door. Take care to drill in the centre of your marks and at 90 degrees to the door.
4. Fit the supplied hexagon connecting nuts and 10mm long bolts onto glazing unit face (so the connecting nuts are held straight and in place). Re-insert glazing unit and single face and bolt both sides together to check the unit can be fitted correctly.
5. Once you are sure that the unit will fit correctly apply intumescent mastic (not supplied) into fixings holes. Re-insert glazing unit. Place the second face onto the other side of the door. Line up with glazing unit and fix into place with the longer bolts.

Important points to note

- Be careful when handling the glazing unit, although it is pre-assembled full adhesion between the components only occurs when the unit is compressed in the door. Support all parts of the glazing unit during installation.
- These Vision Panels have not been tested for external use or areas where there is a risk moisture may penetrate (please contact us for details).
- It is not possible to predict every installation scenario, therefore these instructions are a guideline only. It is the responsibility of the purchaser/end user to ensure to suitability of the product and installation for their intended application.