



Physical Security Glass: Technical Specifications

We provide a wide range of laminated security glass products satisfying a diverse range of requirements including:

BS EN 356

DIN 52290

The standard product comprises two layers of annealed float glass bonded together with a 1.5mm thick polyvinyl butyral (PVB) interlayer. Enhanced security is achieved by increasing the number and/or thickness of glass layers and interlayers. Options can be provided with a "low spall" rear face to give maximum protection from flying glass splinters.

Typical applications include jewellery shops, display cases, and other vulnerable areas where the possibility of break-in exists.

Where enhanced security is required we would recommend the use of products meeting the more stringent requirements of BS EN 356. These products are normally constructed using glass clad polycarbonate which combine the chemical and abrasion resistance of glass with the impact resistance of polycarbonate. The key advantage over standard laminated glass products is that the weight of the glass is reduced whilst improving the level of protection.

Intruder Resistance BS EN 356

BS EN 356	Drop Height mm	Number of Strikes	Impact Energy per Stroke	Glass Thickness	Maximum Dimension
P1A	1500	3 in a Triangle	62J	6.8mm	3210 x 2000mm
P2A	3000	3 in a Triangle	123J	8.8mm	3210 x 2000mm
P3A	6000	3 in a Triangle	247J	9.1mm	3210 x 2000mm
P4A	9000	3 in a Triangle	370J	9.5mm	3210 x 2000mm
P5A	9000	3 x 3 in a Triangle	370J	10.3mm	3210 x 2000mm
BS EN 356	Sledge + Axe Min No Blows Required	Thickness mm	Weight Kg/m ²	Construction	Maximum Dimensions
P6B	31	18mm	42.4	Glass/PVB	3210 x 2000mm
		14mm	28.0	Glass/Poly/Glass	2500 x 1500mm
P7B	51	28mm	61.0	Glass/PVB	3210 x 2000mm
		16mm	31.0	Glass/Poly/Glass	2500 x 1500mm
P8B	71	36mm	77.0	Glass/PVB	3210 x 2000mm
		18mm	34.0	Glass/Poly/Glass	2500 x 1500mm

The attached information is intended as a guide to the technical details on Romag's products. The information may be incorrect or incomplete. For more detailed information relating to specific applications, please contact Romag's technical department.

Product Notes

Maximum sizes

- Standard laminated glass 3210 x 2000
- Glass Clad Polycarbonate 2500 x 1500

Options

- Tinted/solar control
- Romag California Series
- Reflective Glass
- Curved Glass

Special Requirements

- Sizes outside the above standard may be available
- Double glazed units
- Water white glass
- Alarm glazing (Detectaglaze)



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