



PHYSICAL SECURITY GLASS

For vulnerable architecture and interiors

With over 70 years' experience, Dellner-Romag produce a wide range of laminated security glass products for vulnerable constructions where the possibility of wilful damage exists, including but not limited to; post offices, hotels, exchange counters, banks counters and retail outlets.

Our standard product comprises of two layers of annealed float glass bonded together with a 1.5mm thick polyvinyl butyral (PVB) interlayer and we achieve enhanced security by increasing the number and/or thickness of glass layers and interlayers.

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.

Options can be provided with a "low spall" rear face to give maximum protection from flying glass splinters. This is especially important in constructions such as cashier desks where personnel are within a short stand-off distance from the glass.

KEY FEATURES

- Some of the thinnest enhanced security glass on the market
- High level of optical clarity for unobstructed vision
- Suitable for curves
- Printing and tinting options
- Wide range of sizes
- Suitable for wide range of small and large constructions

TYPICAL APPLICATIONS

- Banks
- Post offices
- Currency exchange outlets
- Museum showcases
- High value retail fronts
- Hotels
- Zoos

TESTING

Dellner-Romag take quality standards and product testing very seriously. All our physical security glass products are independently tested and certified to BS EN 356.

OPTIONS

- Colour tinted/solar control
- Curved glass
- Printed glass
- AirGlaz anti-reflective glass
- Double glazing

SPECIAL REQUIREMENTS

- Water white glass
- Alarm glazing (Detectaglaze)

OTHER DELLNER-ROMAG SECURITY PRODUCTS

- Laminated safety glass
- Toughened glass
- Blast resistant glass

BS EN 1063 PRODUCT SELECTOR

BS EN 356	Drop Height mm	Number of Strikes	Impact Energy Per Strike	Glass Thickness mm
P1A	1500	3 in a Triangle	62J	6.8
P2A	3000	3 in a Triangle	123J	8.8
P3A	6000	3 in a Triangle	247J	9.1
P4A	9000	3 in a Triangle	370J	9.5
P5A	9000	3 x 3 in a Triangle	370J	10.3

BS EN 356	Sledgehammer + Axe Minimum Number of Blows Required	Weight Kg/m ²	Construction	Glass Thickness mm
P6B	31	33.7	Glass/PVB	15.0
		22.8	Glass/Poly/Glass	10.0
P7B	51	66.7	Glass/PVB	28.0
		30.1	Glass/Poly/Glass	16.0
P8B	71	57.2	Glass/PVB	26.0
		32.5	Glass/Poly/Glass	18.0

