



BURGLARSHIELD EN 356

DESCRIPTION

IN TECHNICAL COLLABORATION WITH KURARAY®

BURGLARSHIELD is our range of impact-resistant panels that can withstand forced penetration attacks from hammers, saws, axes and rods! The panel has a strong interlayer that holds the assembly together for a sufficient amount of time, allowing you to take remedial or punitive action. Our panels are ranked very high in the industry, especially since they are relatively thinner, something we have achieved with the use of SentryGlas® advanced interlayers from Kuraray, Japan. BURGLARSHIELD panels can be fabricated with ultra-clear glasses or even coated glasses to create well-lit and airy spaces that are safe and look good too.

PRODUCT FAMILY

1. **BURGLARSHIELD EN FIRST:** Standard clear burglar-resistant glass tested to EN 356 standard
2. **BURGLARSHIELD EN CLARITY:** Ultra-clear burglar-resistant glass tested to EN 356 standard
3. **BURGLARSHIELD EN TONE:** Tinted burglar-resistant glass tested to EN 356 standard
4. **BURGLARSHIELD EN SOLAR:** Solar-control burglar-resistant glass tested to EN 356 standard
5. **BURGLARSHIELD EN COMBI:** Insulated or multi-laminated burglar-resistant glass tested to EN 356 standard to satisfy additional requirements - thermal insulation, fire-safety, bullet-resistance and/or blast resistance
6. **SECUREBUILD EN:** Comprehensive framing systems for windows, doors and shutters for burglar resistant glass

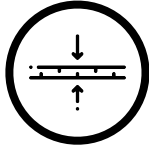
The entire range of BURGLARSHIELD EN is available in spall and non-spall versions.

GENERAL CHARACTERISTICS

THREAT LEVEL	RESISTANCE CLASS	HAMMER STRIKES	AXE STRIKES	TOTAL	THICKNESS	TYPE OF BURGLAR & BREAK-IN METHOD
P4A	RC 2	3 steel ball drops from 1500 mm			11 mm	Occasional burglar with simple lever tools
P5A	RC3	9 steel ball drops from 9000 mm			11 mm	Experienced burglar in a targeted attack on property using lever tools
P6B	RC4	20	23	43	15 mm	Experienced burglar in a targeted attack on property regardless of noise level (lever, strike and drilling tools/cordless)
P7B	RC5	20	45	65	16 mm	Experienced burglar in a targeted attack on property with mechanical and electrical tools
P8B	RC6	20	98	118	17 mm	As in RC5, but with more time and more powerful electric tools (angle grinder dia 230 mm)

Additional Process Capability: CURVESHIELD, ceramic-frit, digitecture™ digital printing, sand-blasting, acid-etching

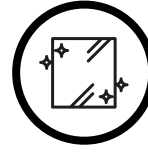
UNIQUE SELLING POINTS (THE TLC ADVANTAGE)



THINNEST
Up to 25% thinner



LIGHTEST
15-20% lighter



CLEAREST
Minimum 5% clearer

DIMENSIONS

FEATURE	DESCRIPTION
Minimum Size	250 mm X 350 mm
Maximum Size for S (Spall) Version	2500 mm X 5000 mm
Maximum Size for NS (Non-Spall) Version	1220 mm X 3500 mm

LABELLING

Each piece of BURGLARSHIELD EN shall be permanently labeled with the FG logo and the relevant standard description. In cases where the glass is made under a specific listing, the same shall be incorporated in the label. Order-specific labeling is also possible, under certain terms and conditions.

STANDARDS

1. BURGLARSHIELD EN glass is manufactured to conform to the norms laid out by EN 356 :2000 standard

LISTINGS

1. Spenta Sperimentale del Vetro ScpA: EN 356 P4A Test Report Number 177943
2. Spenta Sperimentale del Vetro ScpA: EN 356 P5A Test Report Number 181421 & 181422
3. Spenta Sperimentale del Vetro ScpA: EN 356 P6B Test Report Number 177920
4. Spenta Sperimentale del Vetro ScpA: EN 356 P8B Test Report Number 177913

STORAGE

BURGLARSHIELD EN requires storage in a covered, dry area, unexposed to rain and dust. Each sheet or piece of BURGLARSHIELD EN should be separated with the help of non-adhesive transferring cork/rubber pads. Prolonged storage without separation or with paper separation may result in permanent and irreversible damage to the glass surface.