



BULLETSHIELD EN 1063 | EN 1522 | EN 1523

DESCRIPTION

IN TECHNICAL COLLABORATION WITH KURARAY®

BULLETSHIELD is an industry-leading glass that is designed to uphold even the most demanding protection requirements with regards to bullet impacts. Our panels are certified as per global standards, which is why these panels are most commonly used for large-scale security glazing contracts. What sets these panels apart is the fact that it's relatively thinner, lighter and clearer as compared to the industry norm, which we have managed to achieve with the use of SentryGlas® advanced interlayers in collaboration with Kuraray, Japan. In order to ensure that these panels are both secure and aesthetically pleasing, we provide our entire BULLETSHIELD range in both spall and non-spall options. But our job doesn't just stop at fabricating this glass. We can also help you engineer and install bullet-resistant framing systems, ensuring the highest possible level of safety.

PRODUCT FAMILY

1. **BULLETSHIELD EN FIRST:** Standard clear bullet-resistant glass tested to EN 1063 standard
2. **BULLETSHIELD EN CLARITY:** Ultra-clear bullet-resistant glass tested to EN 1063 standard
3. **BULLETSHIELD EN TONE:** Tinted bullet-resistant glass tested to EN 1063 standard
4. **BULLETSHIELD EN SOLAR:** Solar-control bullet-resistant glass tested to EN 1063 standard
5. **BULLETSHIELD EN COMBI:** Insulated or multi-laminated bullet-resistant glass tested to EN 1063 standard to satisfy additional requirements - thermal insulation, fire-safety, impact resistance and blast resistance
6. **SECUREBUILD EN:** Comprehensive framing systems for windows, doors and shutters tested to EN 1522 standard

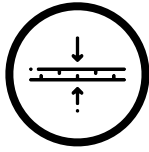
The entire range of BULLETSHIELD EN is available in spall and non-spall versions.

GENERAL CHARACTERISTICS

THREAT LEVEL	AMMUNITION	VELOCITY	THICKNESS
BR2	9 X 19 mm DAG DM11 A1B1 124 g	390 to 410 m/sec	22 to 23 mm
BR3	.357 Magnum Geco FMJ CB 158 g	420 to 440 m/sec	33 to 34 mm
BR4	.44 Magnum FMJ FN 240 g	430 to 450 m/sec	40 - 41 mm
BR5	5.56 X 45 mm SS109 62 g	940 to 970 m/sec	41 to 42 mm
BR6	7.62 X 51 mm DAG Steel Jacket	820 to 840 m/sec	40 to 42 mm

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

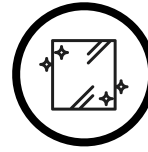
UNIQUE SELLING POINTS (THE TLC ADVANTAGE)



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 BULLETSHIELD 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. BULLETSHIELD EN glass is manufactured to conform to the norms laid out by EN 1063 :2000 standard
2. SECUREBUILD EN framing systems are manufactured to conform to the norms laid out by EN 1522 and EN 1523 standards

LISTINGS

1. Gujarat Forensic Sciences University (GFSU): BR6-NS Report Number IFSU/GFSU/BTCTR/BER/117/263/2020
2. Gujarat Forensic Sciences University (GFSU): BR6-NS Report Number IFSU/GFSU/BTCTR/BER/106/240/2020
3. CISR-CGCRI: Report Number CGCRI202100020

STORAGE

BULLETSHIELD EN requires storage in a covered, dry area, unexposed to rain and dust. Each sheet or piece of BULLETSHIELD 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.