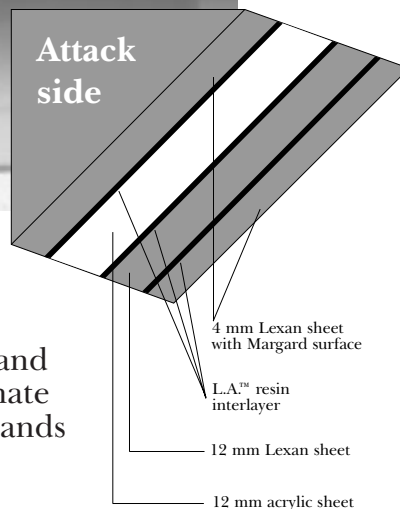
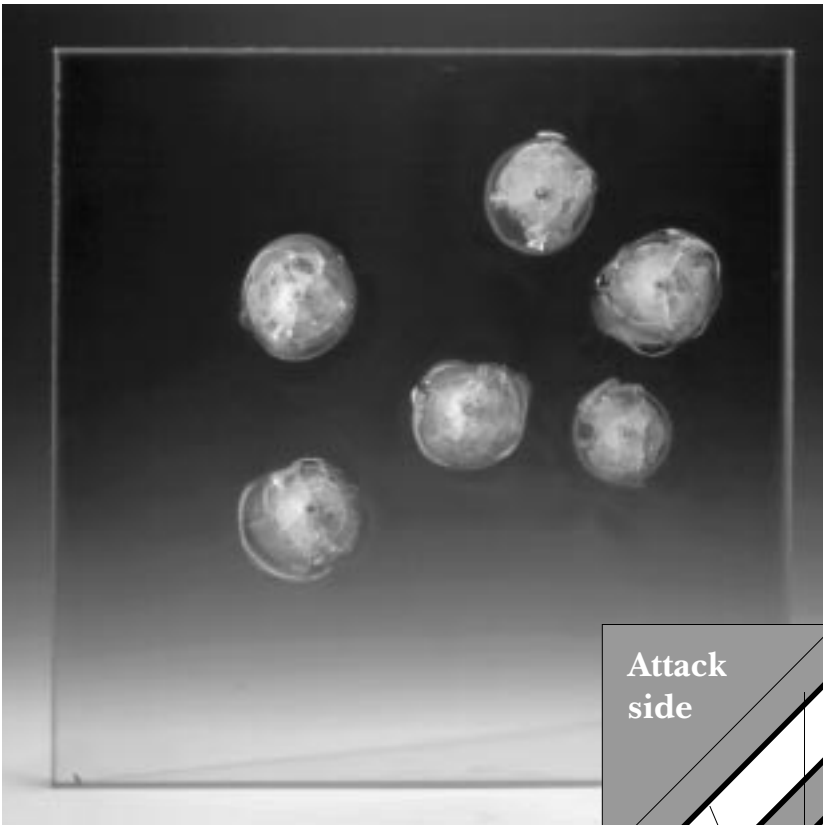




Product Data Sheet

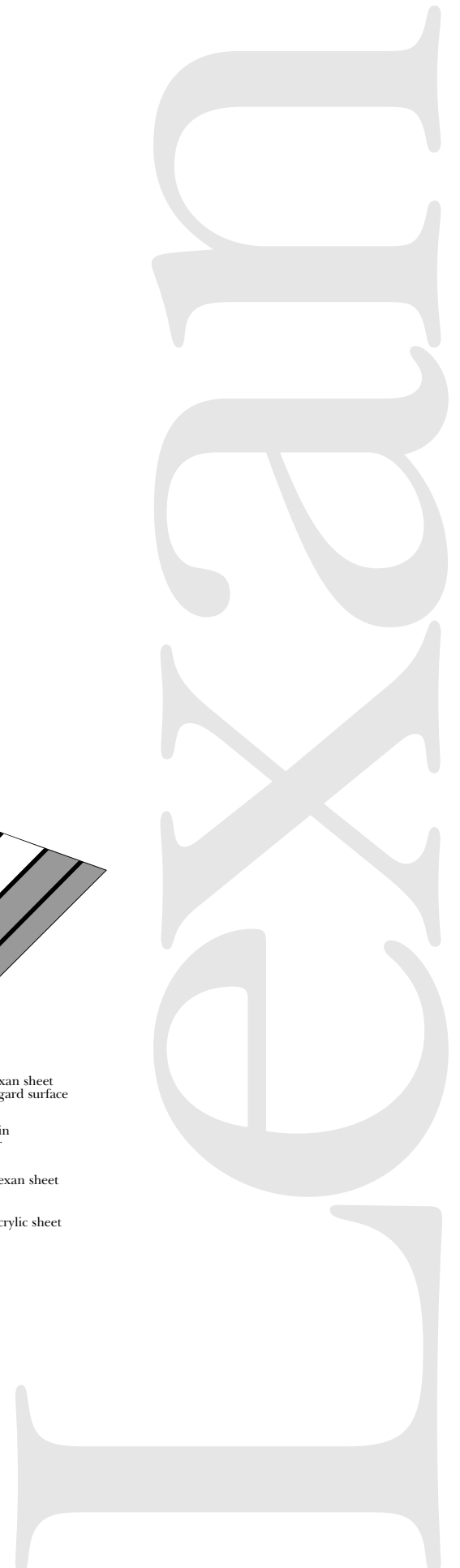
Lexgard® RS-1250 ballistic laminate



Description

Lexgard® RS-1250 laminate is a four-ply and patented composite of Lexan® polycarbonate sheets and high-impact acrylic that withstands multi-shot assaults.

- Excellent optical clarity.
- Absorbs total impact energy without dangerous spalling.
- Abrasion and chemical resistant Margard® surfaces with UV coating technology enhance surface life.
- Can be specified to match specific levels of threat.



Product information

Gradename	Lexgard RS-1250
Gauge (mm)	33
Weight (kg/m²)	39.5
Light transmission (%) (ASTM D-1003)	78 (Clear)
Standard colours	Clear (code 112)
Optional colours	Bronze (code 5109) Grey (code 713)
Standard dimensions (mm)	1220 x 1820 1520 x 2440

Multiple performance

Lexgard RS-1250 laminate is more than bullet resistant; it withstands multi-shot assaults with no spalling. Moreover, Lexgard RS-1250 laminate's unique multi-ply construction offers superior anti-bandit properties which can not be met by other conventional glazing materials in the same thickness and weight.

Flat applications only

Due to its mar-resistant coating and bonding interlayers, Lexgard RS-1250 laminate cannot be formed. It is meant for flat applications only.

Abrasion resistance

The proprietary Margard surface of Lexgard RS-1250 withstands everyday abuses of cleaning, handling and weathering. Tested for abrasion resistance, Lexgard RS-1250 laminate exhibits significantly less hazing compared to uncoated polycarbonate sheet.

Chemical resistance

Lexgard RS-1250 bullet resistant laminate's uniquely coated surface provides immunity to many chemicals. Surface contact tests on Lexgard RS-1250 have proven to have no effect on impact resistance during impact testing, proving its excellent fit in harsh or aggressive environments. In applications where the product may come into contact with aggressive chemicals, specific testing of the material is always recommended.

Cleaning

For cleaning instructions consult guidelines for Lexan Margard MR5E.

- Do not use abrasive or highly alkaline

Ballistic rating

Weapon	Caliber	DIN 52290 Part 2 (Germany)	European preliminary prEN356	Pass
Long rifle	.22	no class	B-1	Yes
Pistol	9 mm	C-1 SF	B-2	Yes
Revolver	.357 Magnum	C-2 SF	B-3	Yes
Revolver	.44 Magnum	C-3 SF	B-4	Yes
Shotgun (Brenneke)	Cal. 12	no class no class	SG-1 SG-2	Yes Yes

cleaners.

- Never scrape the sheet with squeegees, razor blades or other sharp instruments.
- Do not clean Lexgard RS-1250 in hot sun or at elevated temperatures.
- For removal of paints, marking pens, ink, lipstick, labels, stickers etc. the use of naphtha, kerosene or white spirit is generally effective.
- Afterwards, a warm final wash should be made, using a mild soap and ending with a thorough rinsing with cold water.

Warranty

Lexgard RS-1250 offers a five years limited warranty against structural delamination or coating failure. See our product warranty.

Glazing information

- Lexgard RS-1250 laminate is of an asymmetrical construction requiring proper installation for rated ballistic protection. The attack side of the laminate (side closest to the acrylic layer) must be installed facing the ballistic threat.
- Structural security framing rated to the appropriate bullet resistant level is suggested.
- A minimum edge engagement of twenty five (25) mm is recommended with allowance for material expansion. (Larger dimensions may require deeper engagements).
- The use of compatible sealant or gasket material is recommended, with flexible material on both sides of the laminate.

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