POLYVANTIS

NOISE-SOUNDBARRIERS

MADE WITH LEXAN™ (PC) SHEET SOLUTIONS



AESTHETICS AND SAFETY COME TOGETHER

LEXAN™ polycarbonate (PC) sheets are an innovative substitute for traditional materials such as brick, concrete, and glass. They offer the same acoustic performance while being safer, lighter, and thinner. Due to their high safety standards, LEXAN sheets are particularly suitable for soundwall projects at elevated heights, such as on bridges.

WHY LEXAN™ PC SHEETS?

Minimizing the risk of fallen debris
EN 1794-2:20 standard 4C (highest) class

Fire resistance
Highest class in brushwood test method EN 1794-3

High Impact resistance
250 times stronger than glass

Excellent optical clarity
With long-term UV protection

Ease of installation and easy to clean

High chemical resistance
Anti-graffiti grades are available



LEXAN™ SHEET

ACOUSTIC PERFORMANCE

LEXAN sheets meet the EN 1793-2 standard, which measures the airborne sound insulation performance of road traffic noise-reducing devices. These sheets can reduce noise levels by an average of 30 dB, significantly improving the acoustic environment from unpleasant to pleasant.

PROJECT EXAMPLES



PRODUCT OVERVIEW

Grade	Standard Sizes	Colors (standard)	Specifics
LEXAN™ EXELL™-D Sheet	Width: 2050mm Gauges: 8, 9, 12, 15mm	Clear, bronze, opal white, grey, IR green	UV protected Custom sizes
LEXAN™ EXTRITE™ Sheet	Width: 2050mm Gauges: 8, 9, 12, 15mm	Clear, bronze, grey, opal white	UV protected Abrasion resistant Custom sizes
LEXAN™ MARGARD™ Sheet	Width: 2000mm (max.) Length: 3000mm (max.) Gauges: 8, 9, 12, 15mm	Clear, bronze, opal white, grey, IR green	UV protected Hard coated Abrasion resistant Graffiti resistant (easy to clean)

If you are looking for more information on colors, availability, lead-times or specific technical information, please contact us via: info.lexan@polyvantis.com

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www.polyvantis.com

LEXAN™ POLYCARBONATE FILM & SHEET | Tough, Virtually Unbreakable