CASE STUDY

POLYVANTIS



BUS SHELTER RENOVATION

WITH LEXAN™ MARGARD™ MR10 SHEET

Streetscape and beautification projects have focused on many aesthetic improvements, but did not address the vandalized or worn-out bus shelters in high-traffic areas of the community. After learning how transit authorities are working to enhance safety measures for passengers and operators, POLYVANTIS offered to demonstrate a material solution that enhanced visibility within the bus shelter and was graffiti-resistant, while remaining simple to install and maintain.

PRODUCT SOLUTION

LEXAN™ MARGARD™ MR10 Sheet is 50% Lighter and 250 times more impact resistant than glass, along with MR10's proprietary abrasion, UV and chemical resistant surface that approaches glass in performance. With an unmatched 10-year limited warranty, the MR10 sheet is an excellent solution for the requirements of Bus Shelters. Rather than replace a shelter or leave occupants unshielded from the elements this high optic LEXAN™ Polycarbonate sheet can be precut for easy installation and utilize existing gaskets/framing to offer significant savings versus replacing a shelter. The benefits of easy maintenance, cleanable, higher visibility, UV protection, all add to the comfort and safety of occupant while enhancing the local environment.



BEFORE

AFTER



LEXAN™ SHEET

BRTA bus shelters were retrofitted with materials from POLYVANTIS to test durability, scratch resistance, and ease in graffiti cleanup. Two test shelters in the heavily used, main thoroughfare of Downtown Pittsfield were retrofitted to provide feedback on what worked well and what needed some improvements to survive this harsh environment.

Interacting with the POLYVANTIS team at the APTA Expo solidified what was learned at BRTA to help educate the transit industry's use of LEXAN™ Polycarbonate sheet in safe and effective applications.

Robert Malnati - BRTA Administrator

PRODUCT BENEFITS

EXTREMELY HIGH IMPACT STRENGTH
Virtually unbreakable

EASY TO CLEAN AND DISINFECT
Cleans with mild water and soap with a simple process to remove graffiti

LIGHTWEIGHT
Outstanding lightweight properties

EASY TO INSTALL AND TO BEND
Ease of handling and installation

2 SIDES UV PROTECTED
Resistant to and protects against harmful UV light exposure

WEATHERABILITY AND DURABILITY
10 Year limited warranty against Long-term weathering conditions





REPEATED VANDALISM REMOVED

Impact Performance Video

Cleaning Instructions Video

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