

PROJECT HIGHLIGHT

CASE STUDY



PREMIUM TRANSIT SHELTERS FOR PASSENGERS COMFORT AND CONVENIENCE

COVERED BY LEXAN™ SOLID SHEET

The main goal of the new Southwest Transitway was to inspire more inhabitants of the city of Winnipeg to leave their cars at home and take transit instead, contributing to the creation of a more sustainable Winnipeg, a city in Canada.

The new state of the art transit shelters provide cover and seating for the passengers of the rapid bus transit and they assure security against street vandalism.

LEXAN™ Polycarbonate sheet products are impact resistant, flame retardant and easy to clean which will help to reduce replacement costs and extend the life of the application.

PRODUCT SOLUTION:

The chosen material for this project was LEXAN™ XL102UV sheet in 4.5mm, a 2-UV protected, lightweight sheet with high impact strength and excellent fire performance.

Our LEXAN Sheet portfolio is available in different sizes and colors, from transparent to translucent and from opaque colors to customized colors.

For comfort and shade on hot summer days, we provided a light green colored sheet which remains its transparency, even after thermoforming the sheet into the right angle.



PRODUCT BENEFITS:



EXTREMELY HIGH IMPACT STRENGTH
Virtually unbreakable



EASY TO CLEAN AND DISINFECT
Withstands repeated cleaning with common cleaning agents



DURABLE
Long-term durability and cost-effectiveness



EXCELLENT LIGHT TRANSMISSION
Transparency up to 90%



EASY TO INSTALL
Ease of handling and installation



CHEMICAL RESISTANCE
Resistant to most moderate chemicals



LIGHTWEIGHT
Outstanding light weight advantages against glass



FLAME RETARDANT
Excellent fire performance (see below video)



THERMOFORMABLE
Easy to design and form via cold line bending



RESULTS

LEXAN™ XL102UV sheet can be easily used into a variety of window and skylight applications. It's lightweight and 250 times stronger than standard glass, the product benefits of LEXAN™ Polycarbonate (PC) sheet makes it the perfect candidate for these modern & safe transit shelters in Winnipeg, Canada.

LEXAN™ POLYCARBONATE VIDEOS



IMPACT PERFORMANCE



FIRE PERFORMANCE



CLEANING PERFORMANCE

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