

# DRIVER PROTECTIVE BARRIERS FOR BUSES & MULTIPURPOSE PASSENGER VEHICLES

## WITH LEXAN™ MARGARD™ MR10 SHEET

As Bus and Multipurpose Vehicle companies take protective measures for passengers and operators, SABIC can provide compliant materials that can support these social distancing and security measures. Transparent LEXAN™ MARGARD™ MR10 polycarbonate sheets are ideal to facilitate the active separation of passengers for increased driver safety and staff sneeze and spray protection in areas requisite for driver visibility.

With an exclusive abrasion-resistant surface on both sides, clear LEXAN™ MARGARD™ MR10 sheet meets the requirement of [FMVSS 205 - ANSI item 4 \(AS4\)](#) in barriers located to the side of the Bus or MPV driver, while maintaining the driver visibility and complying with fire performance interior norm [FMVSS 302](#).



### POTENTIAL BENEFITS



#### EASY TO CLEAN AND DISINFECT

Withstands repeated cleaning with common UV resistance cleaning agents



#### FLAME RETARDANT

Excellent fire performance, meeting interior norm [FMVSS 302](#)



#### GRAFFITI RESISTANCE

Protection against graffiti to resist vandalism



#### LIGHTWEIGHT

Outstanding light weight advantages against glass



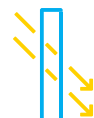
#### EASY TO INSTALL

Ease of handling and installation



#### EXTREMELY HIGH IMPACT STRENGTH

Virtually unbreakable and resistant to abrasion (coated on both sides)



#### EXCELLENT OPTICAL CLARITY

Transparency up to 87-90% and meets ANSI Z26.1 to enhance the drivers visibility

Grade	Description	Solution for
LEXAN™ MARGARD™ MR10 Sheet	<ul style="list-style-type: none"> <li>• Excellent flame retardant &amp; MAR resistant</li> <li>• High impact strength</li> <li>• Dual hard coated surface &amp; graffiti resistance</li> <li>• Tested under FMVSS 205, meeting ANSI/SAE Z26.1 &amp; AS4 spec and flammability norm FMVSS 302</li> </ul>	<ul style="list-style-type: none"> <li>• Driver Protection Screens / Screen Barriers</li> <li>• Seat Adaptations / Compartmentations</li> <li>• Kiosk &amp; Ticket Window Sneeze Guards</li> <li>• Rider Partitions / Protection Panels</li> </ul>

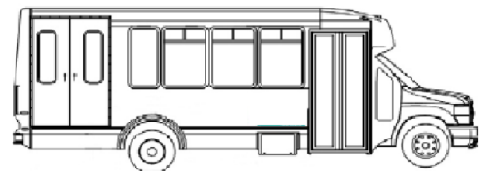
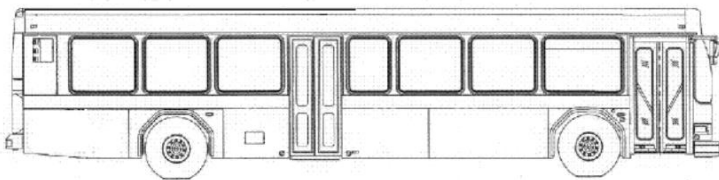
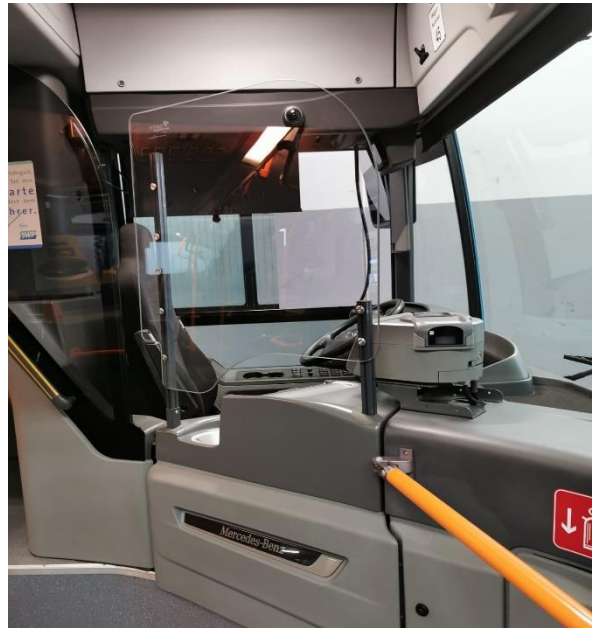
## CHEMICAL RESISTANCE AND CLEANING

Gently wash the sheet with a solution of mild soap an lukewarm water, using a soft, grid free cloth or sponge to loosen any dirt or grime. LEXAN™ solid sheet products have a high resistance to most moderate chemicals. For a complete list of compatible cleaners and cleaning methods, please contact your local SABIC representative.

## FLAME RETARDANCY

LEXAN™ MARGARD™ MR10 polycarbonate sheets are tested according the major global bus standards (meeting FMVSS 302\* norm) and are also approved for use in other means of public transport like Taxi, Trains and Motor coaches. As a thermoplastic, LEXAN™ sheet will partly melt under the intense heat of a fire, however, in terms of its own flammability, it will not contribute to the growth of a fire through flame spread.

\* Please check with your local SABIC representative for a list of LEXAN™ Polycarbonate sheet products, that meet the US & Canadian Public Transport requirements.



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