

SAR - Super Abrasion Resistant Acrylic Sheet

SAR super abrasion-resistant acrylic sheet is produced by applying a very hard, highly cross-linked polysilicate (a silicon polymer or polysiloxane) coating to an acrylic substrate. This coating provides SAR sheet with a surface that has 45 times the abrasion resistance of uncoated acrylic, making it an attractive material for applications requiring the safety, optical and aesthetic qualities of acrylic along with a highly abrasion-resistant surface.

LIGHT WEIGHT AND FABRICATION FLEXIBILITY CUT INSALATTION COSTS

At half the weight of glass, SAR makes handling easier and safer, and installation less costly and time consuming. It can be cut and fabricated at the installation site using power tools. In fact, SAR is ideal for replacement installations; because it is readily fitted into existing frames.

STANDARD SIZES & THICKNESS

Standard Sheet Size: 3.050m x 2.030m

Thickness: 3,4,5,6,8,10mm

Grades: Interior- Single Sided
 Double Sided
 Exterior- Single Sided
 Double Sided

Special thickness & sizes on request, including cut-to-size parts.

COLOURS, FORMULATIONS & FINISHES

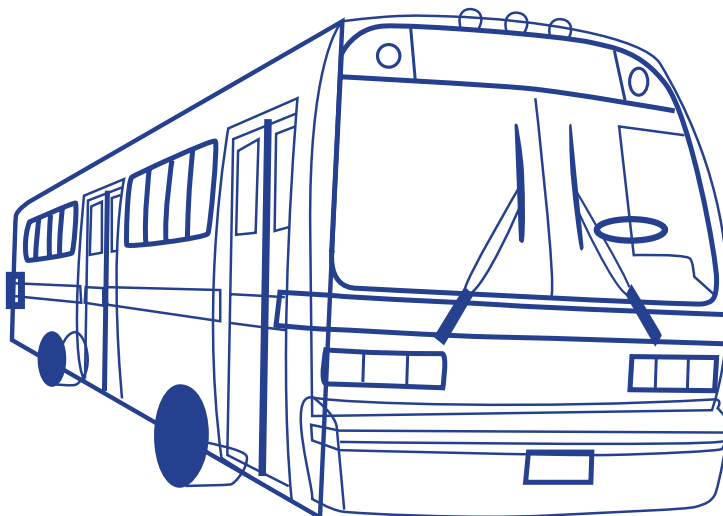
SAR is available in a wide variety of transparent, translucent and opaque colours including industry standards such as black, gray and bronze. Ultra-violet Transmitting, Ultra-violet Filtering formulations (including UF96, UF3 and UF4) and Coated one-side sheets are also available.

OPTICAL CLARITY OUTSHINES OTHER MATERIALS

SAR in 30mm thickness transmits 93% white light, compared to 66% for an all polycarbonate sheet and 55% for bullet-resistant glass. Also, its edges are clear, avoiding the massive appearance of thick glass with its greenish tinted edge. That adds up to the sparkling clear, open look that is more appealing to customers.

SAR™ AGENCY AND CODE APPROVALS

For a complete list of approved standards please contact Allplastics.



SAR is tough, light weight, weatherable, cleanable and offers excellent thermal insulation

Applications

SAFETY GLAZING

- Schools, Hospitals, Libraries & Office Buildings
- Service Stations, Restaurants & Bus Shelters
- Doors (storm, revolving entrance)
- Press Box Glazing
- Skylights (flat)
- Sound Barriers
- Hockey Spectator Guards
- Zoo enclosures

TRANSPORTATION

- Transit Bus Windows
- Automotive Sun Roofs
- School, Limousine & Aircraft Windows
- Marine Portholes, Windshields

EQUIPMENT FACES AND COVERS FOR BUSINESS EQUIPMENT

- Computer Panels
- Tape Drive Windows
- Disc Drive & Printer Covers
- Terminal Screen Faces
- Jig for Printed Circuit
- Manufacture
- Laser Scanners

APPLIANCE WINDOWS & PANELS, TIMER FACES AND COVERS

- Gas Pump Glazing
- Electronic Game Faces
- Baby Incubators
- Vending Machine Glazing
- Blood Analyzer Panels
- Dashboards Panels & Solar Cell Covers
- Food Sneeze Guards
- TV Face Screens
- Menu Boards

DISPLAY STORE FIXTURES

- Merchandise Covers & Cases
- Directory & Scanner Panels
- Memo Boards & Picture Framing

MUSEUM CASES & EXHIBITS

- Solarium & Security Glazing

MAINTENANCE (OSHA)

- Guides
- Forklift & Conveyor Shields
- Viewing Ports
- Machine Guards
- Equipment Enclosures