



The SAR[®] difference is Clear

APPLICATIONS

Essentially SAR[®] can be used as a glass replacement for almost any application. In particular SAR[®] is a great, cost effective alternative for balustrade applications.

SAFETY GLAZING

Schools, Hospitals etc
Bus Shelters
Skylights (flat)
Sound Barriers
Zoo enclosures
Machine Guards

TRANSPORTATION

Bus Windows
Automotive Sun Roofs
Limousine & Aircraft Windows
Marine Portholes
Windshields

DISPLAY STORE FIXTURES

Merchandise Covers & Cases
Directory & Scanner Panels
Framing

BUILDING

Frameless balustrades*
Semi framless balustrades*

**For information regarding approval for suitable applications including balustrades please contact Mitchell Plastics.*

The difference between SAR[®] Super Abrasion Resistant Acrylic sheet and conventional acrylic sheet or glass is clear. SAR[®] is produced by applying a very hard, polysilicate coating to an acrylic substrate. This coating provides SAR[®] with a surface that has 45 times the abrasion resistance of uncoated acrylic, making it an attractive material for applications that require the safety (e.g. windshields), optical (e.g. Marine Portholes) and aesthetic (e.g. sunroofs) qualities of acrylic along with a highly abrasion-resistant surface coating.

FEATURES

LIGHT WEIGHT & FABRICATION FLEXIBILITY CUT INSTALLATION 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 glass replacement installations; because it is readily fitted into existing frames.

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.

ABRASION RESISTANT, CLEANABLE & SAFE

SAR[®] has 45X the abrasion resistance of uncoated acrylic, resists more chemicals than uncoated acrylic, and is impact and shatter resistant (5X impact resistance of glass)

AGENCY AND CODE APPROVALS*

SHEET SIZE

3000 x 2000mm
2000 x 1500mm

THICKNESS

3,6,8,10,15,20mm

*For more information contact
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