Cast Allyl Carbonate Embedded Mesh RF Shielded Windows.

European EMC Products Ltd

These shielded windows offer the superb screening performance of micro - fine mesh, combined with the outstanding characteristics of allyl carbonate

The general properties of cast windows are ;
Micro - fine mesh is cast in to a one piece sheet, therefore no delamination problems.

Higher temperature specification than laminated parts.

They can be machined to any desired profile, with or without rebates.

Extremely good abrasion, solvent, impact and heat resistance.

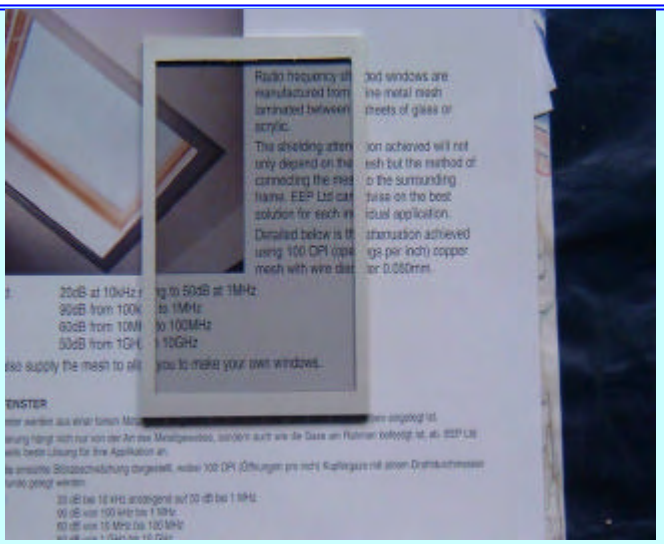
Light weight.

Different meshes available to suit the application and mesh is blackened to reduce reflections.

Non reflective surfaces can be cast in.

Mesh can be set at any desired angle.

Silver loaded bus - bar termination.



Allyl Carbonate RF Shielded Windows.

This product is cast from ADC monomer (allyl diglycol carbonate) and has a series of properties, which makes it ideal for the production of RF shielded windows and fascia panels. This material is equivalent to CR39.

Properties :
Less than half the weight of glass
Bright surfaces and light transmissions close to optical glass
Refractive index close to that of crown glass
High impact strength
Remarkable abrasion resistance, approximately 20 times that of acrylic
Resistance to pitting from hot metal sparks, 30 - 40 times higher than glass and other plastics

Excellent resistance to acids, alkalis and to all solvents including aliphatic and aromatic hydrocarbons
Easy surface dying
Better scratch resistance than hard coated plastics
Resistance to distortion by temperatures up to 130 ° C, a temperature at which acrylic resins are melted
U.V. absorbers can be added to help protect LCD displays in strong sunlight

European EMC Products Limited
Unit 8 : Saffron Business Centre : Elizabeth Way : Saffron Walden : Essex : CB10 2NL
Registered in England Number 3209118 : VAT Number 676 5479 78
Tel + 44 1799 523073 : Fax + 44 1799 521191
Email : info@euro-emc.co.uk : Web : http://www.euro-emc.co.uk