

Technical Specifications

■ Product Description	: Aeroplan 40 mm double wall translucent panel
■ Outer walls	: 3.0 mm thick Fibralam Diamond Shield GRP sheets
■ Spacers	: 3.0 mm PMMA spacers
■ Panel specifications	: Two wearing fiberglass reinforced plastic surfaces are connected each other with PMMA spacers.
■ Panel thickness	: 40,00 mm± 1,0 mm
■ Panel weight	: max. 8 kg/m2
■ Maximum length	: 13.00 m
■ Linear thermal expansion coeff.	: appr. 23 x 106 1/k (longitudinally)
■ Heat transmission coeff.	: 2,5 W/m2 K
■ Solar energy transmittance g-value	: 42 % DIN 67507
■ Fire retardancy classification	: Class E (non dripping in case of fire)
■ Anti attack glazing	: P4A DIN EN 356
■ Accelerated UV tests	: 2000 h (DIN 6174) ΔE=1,1 (SST), ΔE=2,7 (WST)
■ Barcol hardness	: > 40
■ Light transmission	: 78 % for polar green 72 % for fume grey
■ Service temperature	: - 40°C / 70°C
■ Surface choices	: Cracked ice or honeycomb
■ Surface protection	: The fiberglass surface of the panel is coated against environmental degradation.



TRANSLUCENT MULTI WALL PANELS



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Certifications



Turkish Standards Institute
Quality Certificate
TS-EN 1013-2



Impact Resistance Certification
ACR(M) 001-200 Class B



Fire Resistance Certification
DIN 4102:B2



Fire Resistance Certification
No RA01-153 : M 2



CONSULTANCY • TESTING
Fire Resistance Certification
BS 476-7 Class 3 SAB3
Class 1 SAA



Fire Resistance
Certification
E - 84 FS<25





The trademark Aeroplan™ stands for the high quality FRP translucent multi wall panels manufactured by Polser FRP Panels, Inc.

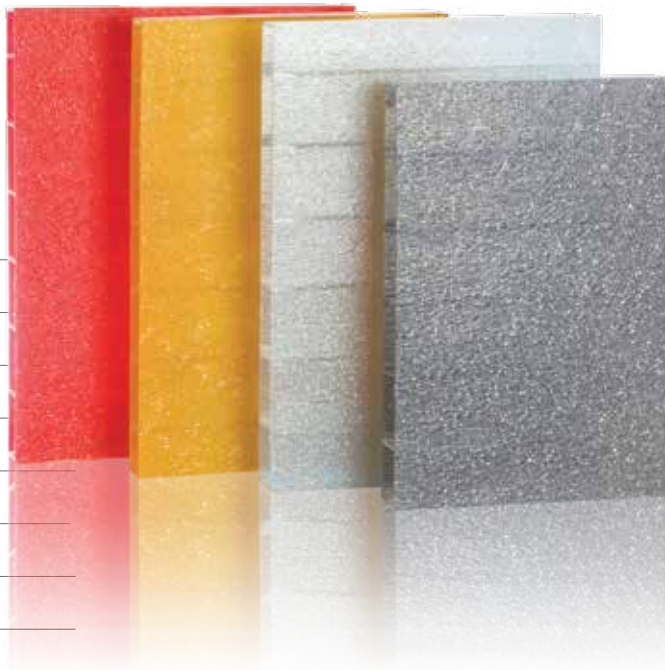
At its 8,000 m² facility located in Izmir Ataturk Industrial Zone, the products coming out of its modern continuous production lines meet its customers all around the world and in Turkey.

Quality of Polser's products has been certified not only by our customers but also by the most prestigious international testing institutions and by the Turkish Standarts Institute's T.S. EN 1013-2 European Quality Certificate.

Polser offers its customers the most innovative products thanks to its intensive R&D studies and to the technical staff which continuously follows the newest technological developments in the FRP materials field.

Aeroplan panels consist of two outer skins of GRP/FRP sheets and PMMA spacers in between which form multi walls that will enhance heat and sound isolation.

The GRP/FRP sheets that form the outer skins of the product have superior weathering performance and a high value of UV resistance to ensure a long service life.



GENERAL PROPERTIES;

- Light weight
- High rate of light transmission (upto 78 %)
- High resistance to general corrosion
- Low heat transmission coefficient (U)
- Low UV transmittance upto 380 nm of 0 %
- Low solar energy transmittance (g-value of 42 %)
- Wide temperature service range (from- 40°C to 120°C)
- Class E non dripping in case of fire (halogen free)
- 10 years limited warranty



APPLICATIONS;

- Air hangar doors
- Facade panels of commercial and industrial buildings
- Translucent inner walls
- Architectural walls

PRODUCT ADVANTAGES

- Low weight
- High translucency
- Individual design options
- Color options
- Good insulation properties
- High spans
- Decorative surface textures

