

AGLAS IRR HEATSTOP

Special type of Aglas cast acrylic sheets with integrated components that selectively transmit the visible part of light, while reflecting thermal radiation (IR), it is designed for reducing of heat transfer into buildings and vehicles.

The glazing of rooms exposed to high external temperatures with Aglas IRR Heatstop acrylic sheets makes the users of glazed rooms feel better and reduces the costs of air-conditioning.

Advantages

- Reduces heat transfer into buildings or vehicles
- They help to save energy, decrease AIR condition costs and minimize CO₂ emissions*
- Pearlescent opal or clear trendy look
- Full protection against UV solar radiation – outstanding weather resistance
- Easy to thermoform and fabricate
- Available in wide range of sizes (14 different bruto sizes)

* Real condition and cost saving depends on localtion, purpose of building and construction.

- Roof windows for caravan and marine segment
- Any applications where reduction of heat building is required

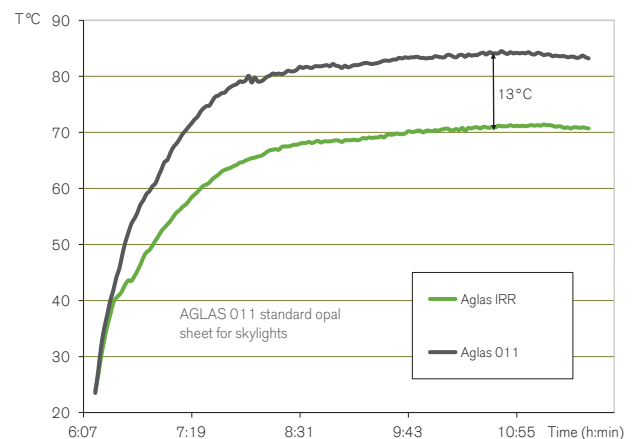
Applications

For typical building applications where high level of light are wanted while reducing the internal heating

- Roof lights, skydomes and skyband on commercial, residential, industrial and storage buildings
- Corrugated, trapezium and ribbed skylight roofing
- Canopies, covered car parks & stations

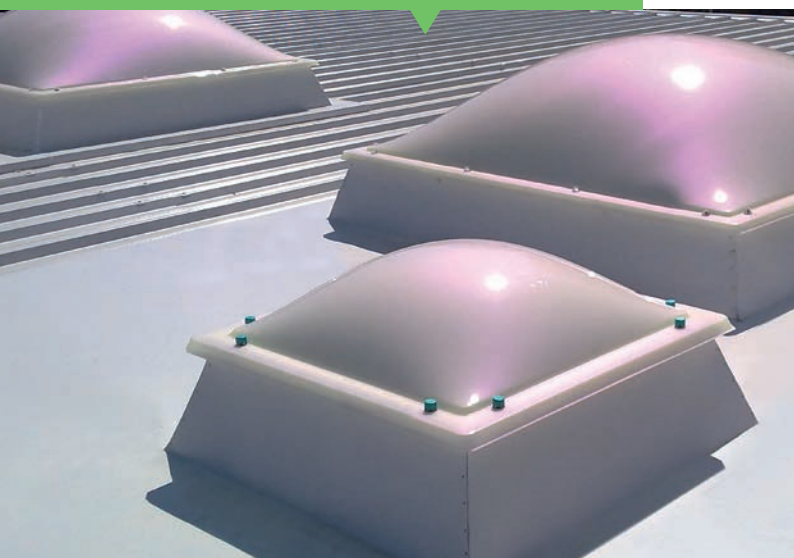
Thermal Characteristics

Comparison of the thermal effect of opal 011 and IRR



Conditions: Thermally insulated, closed box, 30 x 30 x 30cm, covered with an acrylic sheet, above which (20cm) is an IR lamp (Osram Siccaterm IR1, 250W). Measured is the air temperature 4cm above the bottom of the box, in the centre.

MAKES FEEL BETTER AND REDUCES THE COSTS.



AKRIPOL Aglas

Special acrylics

AGLAS IM - IMPACT MODIFIED

Aglas IM combines wetherability, UV resistance and durability of cast acrylic with toughness closer to polycarbonate. Aglas IM has more impact resistance, toughness compared to standard opal aglas sheet. Better mechanical properties and scratch resistance are achieved due to added organo-modified siloxanes. Due to their chemical structure they are capable to bind effectively to the polymer matrix and to avoid migration. As a result, better mechanical properties, scratch resistance, durability and are not accompanied by undesired side effects like odor, fogging or increase of the surfaces tackiness.

- AGLAS IM is available in opal color and a wide range of sizes and thicknesses.
- Improved toughness
- Increased chemical resistance
- Better scratch resistance
- Proven weatherability
- Can be easily fabricated and thermoformed
- More than 14 different dimensions and thicknesses

AGLAS IM applications

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- Canopies, covered car parks & stations
- Roof windows for caravan and marine segment

* Impact resistance is a factor of thickness



AGLAS SOUNDSTOP F+

A new enhanced type of cast acrylic sheets with Fluoro-acrylic co-polymer added, best choice for SoundStop barriers. Fluoro additives make sheets highly resistance to solvents, dirt, weather, etc. Sheets are developed for noise barrier projects, where anti-graffiti treatment, easy to clean surfaces or longer life time expectancy is required.

Beneficial properties of fluoropolymers

- Chemical and moisture resistance
- Surface lubricity
- Soil/dirt resistance
- Heat resistance
- Higher abrasion resistance
- UV resistance
- Non-stick characteristics
- Improved weatherability
- Easy to clean
- Longer lifespan

We offer them in our Soundstop dimensions 3050x2050 mm, 2550x2050 mm and 4050x2050 mm. Its available in standard Soundstop colour range as well as in colour by your choice.



Color range



Best
choice for
SoundStop
barriers

AGLAS MARINE

Aglas Marine is the acrylic sheet that reflects infrared radiation from the sun, they are used mainly for glazing vessels, caravans and mobile homes. Sheets have improved UV resistance, resistance to solvents and to external factors.

They help you to save energy in air conditioning in boats, yachts, caravans or mobile homes and at the same time blocks up to 99% of UV radiation.

- Reduces heat transfer into buildings or vehicles
- They help to save energy, decrease air condition costs and minimize CO₂ emissions
- High clarity and wide range of colors
- Full protection against UV solar radiation – outstanding weather resistance
- Easy to thermoform and fabricate
- Longer lifespan
- Available in wide range of sizes (14 different brutto sizes)

For use in shipbuilding, AGLAS MARINE acrylic sheets obtain the Certificate of Croatian Register of Shipping – HRB.



Feel more comfortable under Aglas Marine protection!

More information:

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