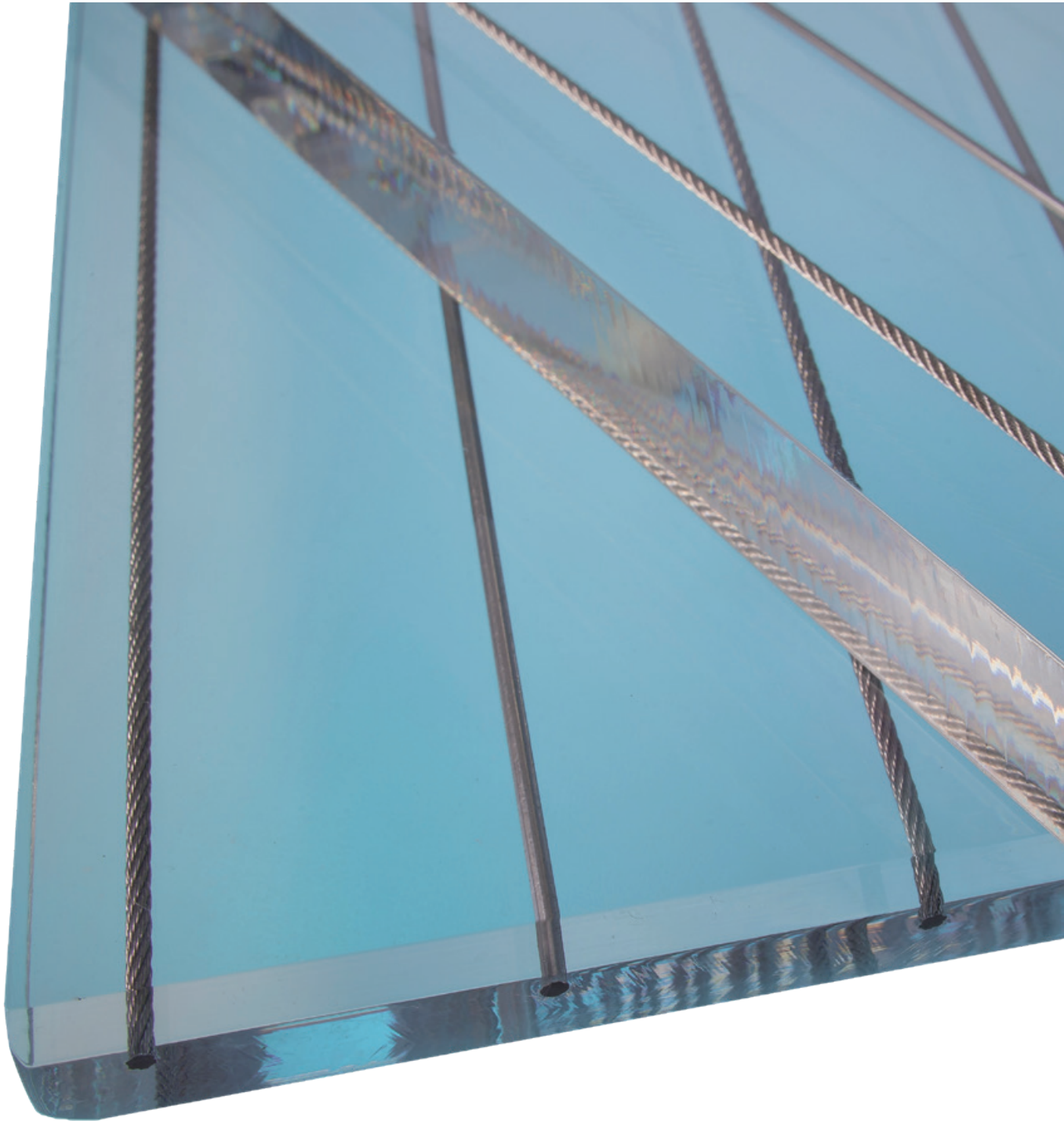


# Plazcast SMR

Cast polymethyl methacrylate  
(PMMA) metal reinforced panels

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SOLID SHEETS 





## **PLAZCAST SMR CAST POLYMETHYL METHACRYLATE (PMMA) METAL REINFORCED PANELS**

### **DESCRIPTION**

Plazcast SMR (patent granted) is a Stainless-Steel Metal reinforced Cast PMMA panel specially designed for use in acoustic panels. The sheet is reinforced with 2 mm diameter stainless steel rods separated 32 mm (centre to centre) from each other, specially designed to give an optimal combination of strength and flexibility and to embedded pieces falling as a consequence of traffic accidents. Since the rods are for stainless steel fully embedded in the cast acrylic matrix they keep their properties for life, while other solution that include polymer strings will degrade with time. The sheet complies with European regulations for installation of acoustic elements in bridges and upper level highways. The rods are visible showing a high contrast and helping birds not to collide and get killed by the panel. The contrast does not fade with time. The stainless steel does not corrode for decades. Plazcast SMR complies with EN14388 - Road traffic noise reducing devices.



# APPLICATIONS



Bridges Barriers



Acoustics Barriers



Architecture



Reinforced transparent sheets

## Main advantages

- Low weight, about half of glass having the same thickness
- High transparency
- Excellent resistance to UV radiation and weather conditions
- Plazcast SMR can be cut and bend (under certain restrictions)
- Friendly to the environment. Do not contain any toxic materials or heavy metals, which may cause environmental damage or health risks
- Excellent chemical resistance to a wide range of substances
- High hardness, stiffness and strength
- Excellent dimensional stability
- Easily cleaned
- High contrast preventing birds from colliding

## Properties

- Plazcast SMR is available in 15, 20 and 25 mm thick, 2050X3050 mm
- Other sizes may be available upon request

## Technical specifications

Thickness (mm)	Satisfactory Performance for the design wind load	Noise Reduction (Category B3)	
		R <sub>W</sub>	DL <sub>R</sub>
15	1600 N/m <sup>2</sup>	32 dB	30 dB
20	1900 N/m <sup>2</sup>	34 dB	32 dB
25	>1900 N/m <sup>2</sup>	>34 dB	>32 dB

DISCLAIMER: The data in this advertisement are provided in good faith and constitute general information without commitment and no warranty is given or implied. Our plastics products are a combustible thermoplastic that complies with various international standards, as customary in each country. Avoid exposure to excessive heat or aromatic cleaning solvent. Normal fire precautions should be taken to protect against combustion.

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