

TECHNICAL SHEET Metallic[®] and Stone[®] Metallic[®], Metallic IRO[®], Metallic Polarlite[®], Iridis[®], Stone[®]

Technical-commercial information

The range of sheets in the Metallic[®] and Stone[®] family by Madreperla have been developed over the years to meet the needs of designers who do not want to forfeit the characteristics typical of methacrylate and thermoplastic materials in general and need finishes and innovative effects inspired by traditional materials which are more difficult to work with. In many cases the equipment needed for post-machining methacrylate is cheaper and more easy to produce.

Just like all Madreperla sheets, these also are thermoformable. This characteristic allows a freedom of design often not possible with the materials whose appearance these products duplicate. Methacrylate is extremely easy to work (cut, drill, mill) and its highly aesthetic qualities are associated to lightness and impact resistance, with the advantage of making the panels or products made from them easy to transport and install.

With the exception of Metallic IRO[®], the sheets have been mainly developed for use in-doors or out-doors limited to moderate climatic conditions and exposure to the sun.

For further details please contact our technical-commercial office.



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| Metallic | acrylic sheets with a high molecular weight with metal effect with glossy surface |
| Metallic Polarlite | acrylic sheets with a high molecular weight with metal effect with one glossy surface and one matt surface |
| Metallic IRO | acrylic sheets with a high molecular weight with metal effect with glossy surface for external use (severe conditions) |
| Iridis | acrylic sheet with a high molecular weight with iridescent/pearly effect |
| Stone | acrylic sheets with a high molecular weight with stone effect with one glossy surface and one matt surface |

The sheets we supply are produced in observance of the requirements of standard UNI EN ISO 7823-1 (Polymethyl methacrylate sheets – types, dimensions and characteristics – cast sheets) where this is applicable. By request sheets with stricter requirements than the above-mentioned standard are produced. For details, contact our technical-commercial offices. The production schedule for the various types of sheets is summarised in the following tables and contains only the standard manufacturing products. Other thicknesses, sizes or colours can be produced on request and with a minimum quantity indicated in the specific technical sheet (“ Minimum quantity of productions on request”).

Standard protection

The film printed with the logo indicates the side to be used. The film is thermo-formable onto the products with a glossy surface, even if it is the responsibility of the user to check that the film is compatible with its usage. All the P.E. films used are suitable for laser cutting.

Warning : for sheets with matt surface (Polarlite® and Satinglas®) the protection film is not thermo-formable.

Cuts to measure, square cuts and dimensional tolerances

On request shapes can be supplied cut to measure: minimum surface 400 cm².

The sheets are supplied with the following tolerances: standard sheet 0/+10 mm – formats cut to measure +/-1mm/ml. Square cuts can be supplied on request.

Untrimmed sheets can be supplied on request. The sheets are supplied with invoicing net of surplus allowance. Small surface defects can be found in the allowance. The size of the untrimmed sheet is, approximately, 4 cm more than the trimmed size.

Colour formulation

Our laboratories are available to develop new colours or personalised duplicating with a minimum quantity as indicated in the specific technical sheet (“Minimum quantity of productions on request”)



RANGE OF COLOURS – Production schedule

Metallic[®], Metallic Iro[®], Iridis[®], Stone[®]

| Code | Colour | format thickness 1540 x 2030 | format thickness 1510 x 2010 |
|---------------------------|----------------|---------------------------------|---------------------------------|
| Metallic | | | |
| 4084 | pearl | 3 - 5 | 8 - 10 |
| 4785 | aluminium | 3 - 5 | |
| 4789 | titanium | 3 - 5 | |
| 4193 | gold | 3 - 5 | |
| 4260 | antique gold | 3 - 5 | |
| 4262 | copper | 3 - 5 | |
| 4285 | bronze | 3 - 5 | |
| 4090 | black | 3 - 5 | |
| Metallic Polarlite | | | |
| 8260 | matt brass | 3 | |
| 8785 | matt aluminium | 3 - 5 | |
| Metallic IRO | | | |
| 44785 | aluminium | 3 - 5 | |
| 44193 | gold | 3 - 5 | |
| Iridis | | | |
| 40030 | white / pink | 3 | |
| 40050 | white / green | 3 | |
| 40060 | white / blue | 3 | |
| Stone | | | |
| 44401 | white | 3 - 5 | |
| 44411 | pearl | 3 | |
| 44410 | cement | 3 - 5 | |
| 44430 | green | 3 | |
| 44420 | bresilien | 3 | |
| 44440 | slate | 3 - 5 | |

