



LASER CUTTING

Marcryl acrylic flat sheet can be laser cut effectively although the exact conditions will vary depending on the set up. To this end some experimentation to find the correct settings will be required.

A glossy edge similar to that achieved from flame polishing can be obtained depending on the thickness and colour of the sheet.

Thick sheets may be slightly oblique.

Some discolouration of the edge of the sheet may occur but this can be minimised by adjusting the feed speed.

During cutting, some stress can be generated around the laser cut, creating a risk of fine crazing of the edge. This can be especially damaging if subsequent assembly uses adhesives. To reduce this risk an annealing cycle can be carried out.

The edge polishing effect can be improved by removing the masking film before cutting.

An extraction system is necessary to remove the monomer vapours and other combustion gasses formed during cutting.



Brett Martin Ltd. pursues a policy of continuous product development and reserves the right to amend specifications without notice.

Brett Martin Ltd., 24 Roughfort Road, Mallusk, Co. Antrim, N. Ireland, BT36 4RB.
Tel: +44 (0)28 9084 9999 Fax: +44 (0)28 9083 6666 E-mail: technical@brettmartin.com

REF CODE
AFS_Fab_Laser_Cutting
28.08.2015