

Veralite® - Lasercutting

Veralite® can be cut with a laser beam, up to thicknesses of 4,50 mm.
Lasercutting is useful for custom-made articles.
Tolerances are better controllable than with conventional machining operations.
Laserpower and carriage speed must be optimised to avoid whitening of the sheets.

Technical recommendations for lasercutting :

Lasertype	CO ₂ laser
Sheet-thickness 1 to 3 mm	Laserpower : 300 W - 330 W Carriage speed : 2 - 2,5 m/min. Assist gas : air at 1 Bar
Sheet-thickness > 3 mm	Laserpower : 330 W - 400 W Carriage speed : 1,8 - 2 m/min. Assist gas : air at 1-1,2 Bar

It is advised to lasercut the sheet with the protective masking film on the sheet, since this will reduce deposition of vapours on the surface of the sheet.

A sheet that has been lasercut, contains a lot of stress, and is not cold bendable afterwards.

Nd-YAG lasers are not suitable, because of the good transparency of the sheet, wavelengths in the visible range are non effective for lasercutting the sheet.

All above information is based on current knowledge and experience. The data does not imply any warranty from the manufacturer towards third parties. Users should consider the above data as a guideline and gather additional information, to make independant decisions regarding the proper use, disposal, safety towards other parties and the protection of the environment.

For more specific information, please feel free to contact our technical department :

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