

MOUNTING & FIXING

MOUNTING

Magboard can be fixed using nails, screws or staples and is also suitable for manual, pneumatic and powered fixing methods. The following table is a guide to fixing distances for most common applications; however, the details are not sufficient when Magboard is to be subjected to particular structural forces such as wind suction or loading on ceiling soffits etc. In such cases further advice should be obtained. When fixing (whether by screw or nail) we advise to leave a gap of 3-4mm on the joints of each board.

Note:

When using the board as part of a fire tested system ensure that fixings are used as specified in the fire test report, contact Magboard for further details.

Fixing Distances

SCREWING

Type of screw:

Wafer head screws designed for particle boards in stainless steel or galvanized, preferably self tapping screws with central tip adapted to the type of substrate. -diameter: 3.5 to 4.2 mm -length: 2.5 to 3 times the panel thickness.

Fixing Technique:

- manually with pre-drilling
- pre-drilling is not necessary when using a pneumatic screw driving machine and central tip screws, preferably screws with a self tapping head
- screws must be positioned as shown in the table above
- on external application screw heads should be covered to avoid rust formation

NAILS

Type of nail:

- flat-headed, stainless steel, twisted or sherardized serrated.
- diameter: 2.2 to 3.1 mm.
- length: 3 to 3.5 times the panel thickness

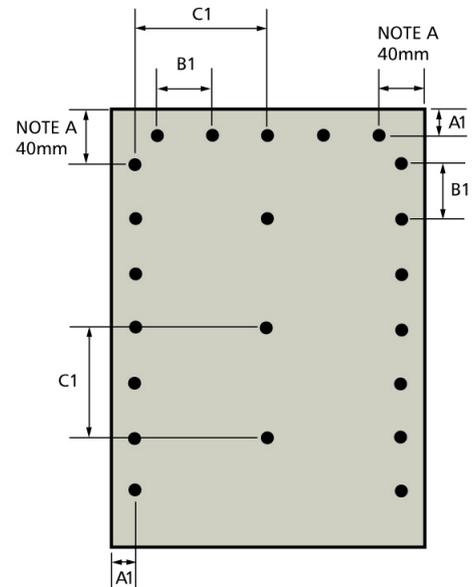
Fixing Techniques:

- for thicknesses up to 12mm nailing can be manual, but pre-drill an 0.8 x diameter hole.
- exceeding 12mm use pneumatic tools set to 5-6 bars with tape loader or nail roll, or pre-drill pilot hole.
- avoid tapping the panel with hammer.
- keep panel steadily positioned on the background structure whilst nailing.

Important note:

Magboard can be affected by slight dimensional changes according to variation in relative humidity. Fixings and in particular the joints between the panels must allow for movement. E.g.: oversize the screw hole and leave a 3-4mm gap at the joint.

Board Thickness mm	Centres mm			
	A	A1	B1	C1
6	40	20	200	400
9 - 12	40	20	300	600



NOTE A - The first fixing in from the corner for both horizontal and vertical fixing must be 40mm in from edge

SPECIFIC FIXING METHODS

a) Cordless nail gun into timber

The use of a cordless nail gun enables the rapid fixing of Magboard to timber frame or battens. The advantage of this method is the speed of erection time and the subsequent cost reduction.

To fix 8mm to 22mm boards for internal and external applications a 51mm x 2.8mm annular ringed nails with sherardized coating to BS 492 should be used.

The variable power setting on the tool can provide either a flush finish with the board surface where visible fixing is acceptable or where a high build surface coating is to be applied, or a countersunk nail head where filling and painting are desired.

b) Cartridge nail gun

Magboard can be fixed into steel framing or structure, concrete, brickwork or concrete block work using cartridge fixing tools. Fixing method can be direct to substrate, or where irregular surfaces are encountered, via battens applied prior to panels.