



Fixing Stonini panels can be easily achieved with either Megapoxy, tile adhesive, or Akfix Polyurathane Adhesive [P636]. Stonini panels can be adhered to concrete, brick, cement render, Aerated Autoclaved Concrete [AAC, Hebel], fibre cement, construction grade plywood [without knots], plasterboard and Medium Density Fibre board [MDF]. For internal use, Stonini panels can also be adhered direct to timber or metal studwork, only with Megapoxy and at a maximum of 300mm centres.

All substrate surfaces should be flat and free of any loose particles, grease or oil and defects. If surface you are adhering Stonini panel to is smooth, then a primer will have to be used prior to adhesion. Novatex "Optimus" non porous primer is suitable.

Indoor Installation

When using either Megapoxy or tile adhesive, there are two methods for applying adhesive:

Method 1



Utilising the dab method, apply a series of 10 - 12 dabs of adhesive along panel, 80mm in diameter [see fig. 1]. It should be noted, this method is only suitable for internal or indoor use. and not for areas exposed to moisture.



Utilising Akfix P636 Polyurathane adhesive will require approximately 24 small dabs as well as a perimeter bead as shown in figure 1b.

Exterior Installation

Method 2



The other method of adhesion is full embedment. This is where the entire surface of panel is coated with either Megapoxy or tile adhesive with a 3 - 6mm notched trowel [see fig. 2].



Panel Layout

Stonini panels can be laid horizontally or vertically. Stonini panels depending on the design do not appear seamless. Joints are noticeable. This depends on the profile that is selected and join visibility will vary depending on the profile selected and the installers ability.

These textural, hand-made panels can be butt joined horizontally provided inconsistencies are accepted to design requirements, or expressed. Please contact the manufacturer for further information as to horizontal joints. Vertical joints should be expressed.

High wall Installation

If Stonini panel is being used in an external environment, then full embedding of adhesive method is necessary. Additionally, if external facade where the Stonini panel is being used is higher than 3 metres, then it's recommended that the adhesive is used in combination with an aluminium angle every two courses to support the weight of the panels. The aluminium angle must be fixed into the wall through its 20mm length with a stainless steel or galvanised screw no shorter than 50mm, thereby revealing a 12mm shelf angle for panel to sit on [see fig. 3]. Ensure you run a small bead of silicon to base of angle to stop moisture getting in behind panel.

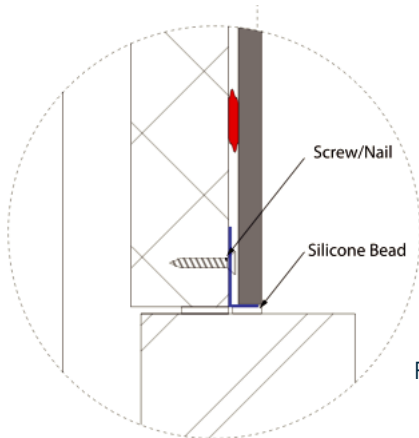


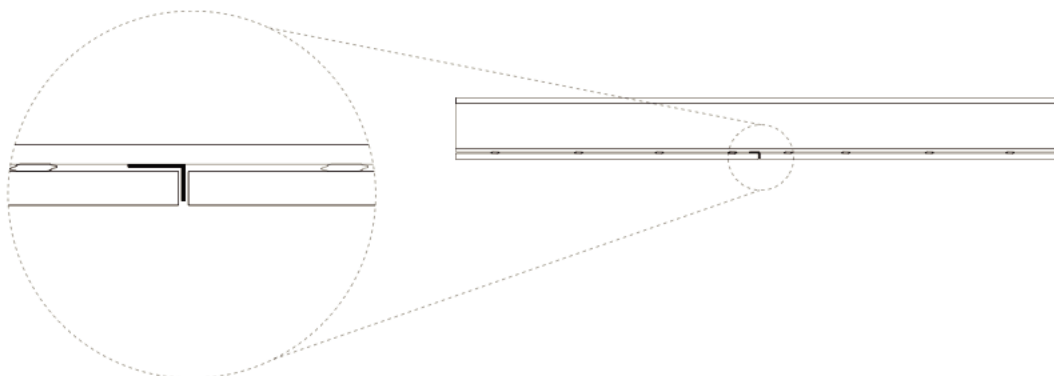
Fig 3

Control Joint for Long Run Walls

If Stonini panels are to be used on a wall horizontally longer than 6 metres, then a vertical control joint must be expressed.

This can be done with either a flat aluminium bar or an aluminium angle used vertically [see fig. 4]. This is to allow for movement on large wall runs.

Fig 4



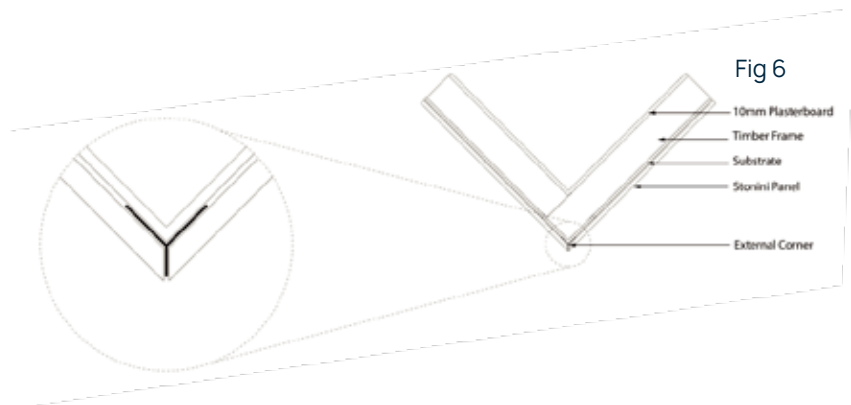


External & Internal Corners External Corner Detail

External corners can be detailed several ways.

Either with a birds mouth profile, available from a tile supplier, or a mitred profile express flat bar or external butt joint.

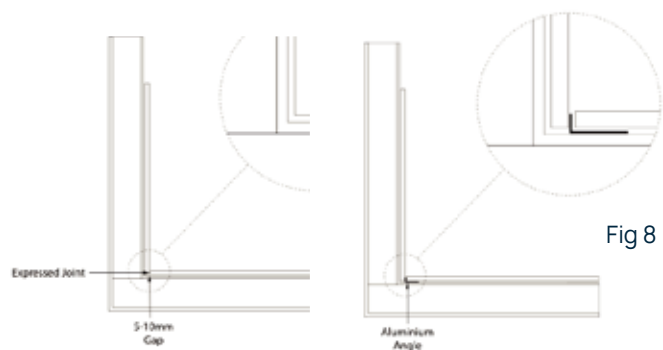
1. Birds-mouth joint [see Fig. 5]
2. Mitred with express flat bar [see Fig. 6], or
3. External corner butt joint [see Fig. 7]
4. As per designers or architects design intent and specification.



Internal Corner Detail

With internal corners, there are two basic options expresses shadowline, and expressed aluminium angle.

1. Shadow line at joint, expressed [see Fig. 8]
2. Expressed aluminium angle [see Fig. 9]



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Note: Stonini panels are a handmade custom product. Variations and slight imperfections are part of the inherent nature of the product and may occur slightly in thickness and or size. Large panels have some degrees of flexibility. Where walls are not plumb packing may be necessary. The installation of Stonini and final effect depends significantly on the preparation and standard of the substrate, and the professionalism and experience of the installer. The manufacturer accepts no responsibility for the workmanship of contract installers or results stemming from the same. The above are manufacturers recommendations only.