

CRAFTSTONE INSTALLATION INSTRUCTIONS

MORTAR

The mortar is the most important factor in the application. Be sure all measures are consistent and mixed thoroughly. The mortar is used to affix Craft Stone to each of the three optional substrates listed below. All substrates are to be primed. As Australia has a great variance in its sand content and type, the following is a guide suitable for brickies loam.

PRIMER

All surfaces are to be primed.

Mix 2 parts STONEBOND (Bonding agent) & 1 part water – bonding agent with cement, blend to a milky paste. Apply with a brush or roller to the wall face. Best adhesion is reached when the stone is applied whilst the primer is moist.

Standard Mortar Mix

Use a 9 litre (laundry bucket) as one part.

2 parts washed brickies loam.

1 part general purpose Portland cement.

2 litres of STONEBOND (Bonding agent)

Add water to desired consistency.

Colour oxide (if desired), no greater than 8.3% of the cement content.

Mortar is best when mixed wet similar to brickies “wet mix”. Moisture is usually sucked out of the mix due to the dry cement block or render wall. During hot conditions, we recommend each stone be dipped into a bucket of clean water, this aids in enabling the mortar to ooze out from the back of the stone to the face. No voids are to be seen between each stone. Joints are to be fully loaded during installation to make grouting easier and prevent moisture penetrating through to the sub-structure. Flashings are to be installed to top of wall to prevent water penetration.

SUB-STRATES

Bracing ply

Set 90 x 45mm studs at 400mm centres.

Nail off 12mm A Bond DD, F11 ply bracing with 40mm galvanized clouts at .150 centres.

Staple building paper to ply brace.

1. (a) Using 40mm galvanized clouts, affix expanded metal lathe at .200mm centres. All laps should be a minimum of 70mm. Corner wraps are to be continuous. Note, the correct side of in the form of the lathe, this is to aid in catching the mortar.

1. (b) Mortar can now be troweled over the face of the expanded metal. Be sure all area is covered. Required thickness is 5-8mm. Allow the mortar to dry before applying Craft Stone.

Fibre Cement Sheet

Please read cement sheet manufactures specification. Fibro cement sheet manufacturer's do not warranty gluing directly onto cement sheets. Craft Stone recommends the following.

Set 90 x 45 studs at .400mm centres.

Fix F.C sheet to manufacturers specification.

Using 40mm galvanized clouts, nail expanded metal lathe at .150mm centres. Follow remaining steps in item 1. (a) above.

Apply mortar as in step 1. (b) above.

Block work – Brick work

PRIME ALL SURFACES

All surfaces are to be free of bond breaker, dust, loose aggregate, grease, paint, or similar.

All surfaces are to be dry and out of a sound stable structure.

Expansion joints. Chalk all expansion joints.

Expansion joints are to be left exposed. Do not apply Craft Stone over expansion joints or weep holes.

Tilt Panel

Tilt Panel surfaces are to be free of bond breaker, dust, loose aggregate, grease, paint, or similar.

All surfaces are to be dry and out of a sound stable structure.

Tilt up panel – acid etch to remove all release products. Apply primer.
Mechanically fix expanded metal lathe at .600 centres. Follow step 1. (b)

Expansion joints. Chalk all expansion joints.

Expansion joints are to be left exposed. Do not apply Craft Stone over expansion joints or weep holes.

SHELF ANGLES

Shelf Angles are to be installed at 2.4 metres maximum centres vertically.

Install 30mm x 30mm shelf angle into course at centres no greater than 2.4 metres vertically.

It becomes the responsibility of others to ensure the structure upon which Craft Stone is being installed is sufficient to sustain the weight of the Craft Stone product.

**MAXIMUM HEIGHT ALLOWABLE FOR FITTING
STONE = 9.2 METRES**