



## *Limestone*

### **BRUHN Limestone Cladding**

#### **Sizing**

- BRUHN Limestone produces a dimensionally cut natural limestone cladding at 290x660x35 or 240x660x35 (straight pieces) and 290x660x100x35 (corner stone)
- It is recommended depth of cladding does not exceed 35mm to comply with weight ratio requirements of various cladding boards and in conjunction with AS2908.2

#### **Surface and preparation**

- BRUHN limestone is suitable to be applied to timber and steel framed construction with the use of an accredited substrate fibred cement sheet of no less than 6mm thickness. It is recommended that the accredited 'stone sheet' (specifically designed for carrying stone veneer) is fit for purpose and fixed as per the manufacturer's guidelines. (AS2908.2)
- Depending on local building code requirements, a waterproof barrier may also need to be utilized to meet the requirements of: AS4200-1 Pliable Building membranes and Underlays – Materials
- Cladding can also be fixed to tilt, precast, concrete and brick surfaces but these surfaces need to be free of bond breaker, dust, loose aggregate, grease, and paint or similar. It is also recommended to prime all masonry surfaces with primer mix before affixing BRUHN Limestone.
- Painted surfaces should be sand blasted back to original masonry and again be clean for the fixing process

#### **Adhering cladding to surface**

- Before applying adhesive ensure the face of the veneer to be glued is wire brushed to remove all excess stone dust and is dampened to enhance the bond of the glue.
- An ideal adhesive will offer flexibility within the glue and also be a waterproof product. It is recommended to apply the adhesive with a notched trowel to both the back of each stone piece and to the wall itself as this will maximum possible adhesion to your wall surface.

- This is a critical to ensure that a strong bond is formed between the stone veneer and the wall, especially for wet applications. Spacers or dowels are then used to space the stone evenly to a 10mm course gap to then be grouted once glue has cured. Expansion joints should be incorporated as per engineer specifications and weep holes not covered.
- BRUHN cladding is easily cut via a bench saw to create bond closures or set out amendments where required.
- For walls over 2 meters high it is recommended each stone piece is also fixed to the bedding surface using a galvanized 90 degree brick tie. This is simply done by screwing the tie to both the stone piece and the substrate again in conjunction within the substrates manufactures recommendations.
- Ties are usually fixed every second course but can be implemented every course to strengthen finished result

### **Grouting**

- Once the glue has cured, spacers can be removed and joints filled with a normal mortar mix of sand / cement / hydrated lime. (Recommended ratio a 6:1:1) It is recommended to use a white brickie sand and white cement to achieve desirable aesthetics.
- Grouting can be applied by using a grouting gun and joints rolled with a 'plastic rolling iron' to avoid any 'mortar burn'.
- Care should be taken to keep the stone clean of mortar splashes by wire brushing off excess mortar.

### **Washing stone**

- As BRUHN Limestone is a natural limestone product, stone dust will be present of the surface of the stone and should be washed clean to reveal the raw surface of the stone.
- Washing is simply done by using a high pressure gurni set to a 'fan spray' to remove stone dust within the limestone.
- Process should start from the top of the wall slowly working your way to the base of the structure.

## **Sealing Stone**

- To protect and harden the stone it is recommended the BRUHN Limestone is sealed with BRUHN Rockseal. The preferred method of applying is to create a 'low slow flow' through compression and flood coat the surface area.
- Again start at the top of the wall and work left to right and then down allowing the sealer to run ahead of you.
- One single flood coat is all that is necessary to seal the stone properly however a second coat can be applied to areas likely to receive full weather conditions but should be done no more than 2 hours after application of the first coat.

## **General**

- End user should ensure all wall engineering is certified and council approved.
- Only licensed qualified installers should be used
- BRUHN Limestone is a quarryier and supplier of limestone products and accepts no responsibility for installation.
- This information sheet is a guide only