

**BUILDING TECHNIQUES**

**FOUNDATION IS OF CONCRETE.**

For stumps and bearers, dwarf walls with 115mm ashlar set on solid ground are used. Wood plates 75 x 25mm are nailed along the top, and flooring joists nailed to the plates. However, it is advisable to check with your local council for appropriate building regulations.

**MORTAR:**

A mix of 2 parts limil and 9 parts clean course sand and 1 part cement. Allow 10mm joint and wet the top of each course before spreading the mortar.

**DAMP COURSE:**

Standard methods apply as per council building regulations.

**DOORS AND WINDOW FRAMES:**

25mm diameter x 25mm holes are drilled with an ordinary auger, skewed in opposite directions, and plugged with wooden dowels. Jambs and sashes are then nailed into position.

**WINDOW SILLS:**

Use limestone, glazed tiles, or slates.

**CHIMNEYS AND FIREPLACES:**

Chimneys may be built with limestone but the fireplace must be lined with fire brick.

**CLEANING ASHLARS:**

Before pointing the joints, the surface of the wall can be cleaned and evened by “dragging” with coarse sand paper spread over a wooden trowel or a steel drag.

**POINTING:**

After laying the mortar, and while still damp, the joints can be both raked to a depth of 10mm, and pointed by filling the joints with a mixture of stone dust, white cement, small handful fine sand and limil, to match the colour of the ashlar or roll jointed. Darker mortar can be used and roll jointed.

**SURFACE TREATMENT**

**INTERNAL WALLS:**

Internal walls can be plastered and painted.

**EXTERNAL WALLS:**

External walls can have a Water Based Sealer applied to slow down the aging process.



**GAMBIER STONE SUPPLIES Pty Ltd**

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**Mount Gambier Limestone**

Mount Gambier limestone is a natural product which is widely used in all types of home construction as it has the versatility to suit any design from the ultra modern to the cosy cottage.





▲ Mount Gambier Limestone



▲ Rock Face



▲ Rock Face with Quoins



▲ Rock Face



▲ Smooth Face



▲ Cement Rendered

**GAMBIER STONE SUPPLIES Pty Ltd**

Every customer is important to Gambier Stone Supplies Pty Ltd and every project however big or small, receives our utmost care and consideration in order to achieve the best possible result. As Gambier Stone Supplies Pty Ltd is the owner of the quarry it enables us to deliver direct from the quarry to site.

**MOUNT GAMBIER LIMESTONE**

Mount Gambier limestone is a natural product which is widely used in all types of home construction as it has the versatility to suit any design from the Ultra Modern to the Cosy Cottage.

The exterior can be constructed of:

Rock Face - Rough textured surface

Smooth Face - Smooth surface

Plaster Grade - Smooth face that is to be

Cement Rendered

By using Mount Gambier Limestone for your internal walls it gives an excellent natural insulation thus eliminating the need to additionally insulate your walls. The fabulous fire and acoustic properties of Mount Gambier Limestone gives a greater thermal protection and a reduction in noise level throughout your home ensuring a peaceful and relaxed atmosphere.

NOTE : Being a natural product Mount Gambier Limestone may have slight colour variation of White to Off White.

**WHAT IS MOUNT GAMBIER LIMESTONE?**

Mount Gambier Limestone is a marine deposit of creamy white calcium carbonate, cellular in nature. The blocks, known as “ashlars” have been in use for 100 years, and are virtually maintenance free.

**HOW IS IT USED?**

Building methods are basically the same as those used with bricks, that is, stone veneer or double wall with cavity. The ashlar are sawn at the quarry and delivered direct to site. A standard size ashlar is equivalent in area to approximately 10 standard bricks, and about 100 per day can be laid - a big saving in labour costs. There is also a big saving in mortar since only about 20% of the amount for equivalent brickwork is required

**WHAT CAN IT BE USED FOR?**

There are many uses:

- Multi Storied Buildings
- Home Units
- Hospitals
- Dwellings
- Factories
- Feature Walls
- Shops
- Fire Walls
- Farm Buildings
- Sculpturing
- Fences

It is not only easy to use, it is also one of the least expensive building materials available.

**SCULPTURING:**

Limestone is an excellent medium for sculpturing as it is extremely easy to work with. Ordinary wood working tools such as saws, chisels, planes etc can be used.

**FIRE RATING**

Min wall thickness (mm / inch)	Expected level of fire (resistance - hours)
100mm (4 inch)	1.5 hours
110mm (4.75 inch)	2 hours
135mm (5.25 inch)	3 hours
150mm (6 inch)	4 hours
200mm (8 inch)	6 hours
(info by S. Rogleff - for acting chief, EBS)	

**SIZES AVAILABLE (L x H x W)**

- 660mm x 290mm x 100mm
  - 660mm x 290mm x 112mm
  - 660mm x 290mm x 125mm
  - 660mm x 290mm x 150mm
  - 660mm x 290mm x 200mm
  - 660mm x 290mm x 240mm
- Ashlars are also available in 240mm high

**LINTELS**

Lintels can be cut in limestone provided that the opening does not exceed 1500mm. Lintels for a single doorway are 1320mm, and for a double doorway 1980mm. For openings larger than 1500mm, reinforced concrete lintels or galv lintels are advisable. These can be rendered to match the limestone. (Check with local council building regulations.)

**QUOINS**

Quoins : Corners are an ashlar of double thickness these are supplied and to be cut on site into an L shape. The rebated piece can be used as an ordinary ashlar.

