



THIS LEAFLET EXPLAINS HOW FORTICRETE QUANTIFY A GEMINI ROOF.

GEMINI TILES.

Tile quantities are estimated on gauges dependant on roof pitch **175-190mm for roof pitches below 30° and 195mm** above. All part courses are rounded to the nearest full course.

R.H. VERGES.

Always start with a **full tile** on the first course, and work from right to left across the roof to a LH verge, hip, valley or abutment.

The first tile on the second course will be a **RH³/₄** tile to obtain the correct bond pattern.

RH³/₄ tiles are then laid in alternate courses up the RH verge.

All tiles are clipped with verge clips on RH verges.

L.H. VERGES / LH+RH ABUTMENTS - FINISHING.

A certain amount of cutting will be necessary when finishing at a LH verge/abutment. This is because unless the roof is specifically designed for the tile, it is impossible to ascertain what tiles are needed to finish the verge/abutment detail. Forticrete calculate **T¹/₂'s** on alternate courses up LH verges/abutments.

All tiles are clipped with verge clips on LH verges.

L.H. VERGES. – STARTING.

When commencing tiling from a LH verge working towards a hip, valley or abutment, the first tile laid on the first course will be a **LH verge tile** (this is an ordinary tile with the interlock knocked off). The first tile laid on the second course will be a **LH³/₄** tile. **LH verge and LH³/₄** tiles are then laid on alternate courses up the LH verge.

All tiles are clipped with verge clips on LH verges.

HIPS & VALLEYS.

T¹/₂'s are used where cutting would leave an unsupported and unfixed tile slip. Forticrete calculate **T¹/₂'s** on each course either side of the hip or valley and take a percentage depending on the pitch of the roof. A rule of thumb would be: -

22¹/₂°- 30° = 60%. 31°- 40° = 40%. 41° and above = 30%.

MITRED HIPS.

T¹/₂'s are calculated for in each course either side of the hip. 100% are allowed for.

A number of **double tiles*** may be necessary in certain instances, but this is dependant upon the eaves length and roof pitch.

*Double width tiles, should they be required, are available to special order from the sales office.

Forticrete will not calculate for double tiles unless requested to do so.

Alternatively 2no T¹/₂ laid side by side on the same course can be used in lieu of a double tile.

BONNET HIPS.

Bonnet hips are calculated at one per course running into the hip. A sealing tape is used to cover the cut tiles up the hip and each Bonnet is then dry fixed into the hip rafter with an 80mm aluminium screw nail and integral seal.

FIXING - GENERAL

In sheltered locations the minimum fixing specification for Gemini tiles is each tile nailed with one 45x3.35mm aluminium nail. In addition the second course of tiles needs to be clipped with a tile clip and all verge tiles clipped with a purpose made verge clip.

In more exposed locations a more onerous fixing may be necessary, please contact the Forticrete Technical Department on 0800 262136 if further information is required.

WASTAGE

The customer is advised to **add** on to the quantities calculated, an allowance for **wastage**

We hope the above helps to explain how Forticrete calculate your quantities for the Gemini fittings.

This is meant as a guide only. The ultimate responsibility lies with the customer.

Forticrete endeavour to be as accurate as they can in calculating the quantities but will not be responsible for any under or over measures.