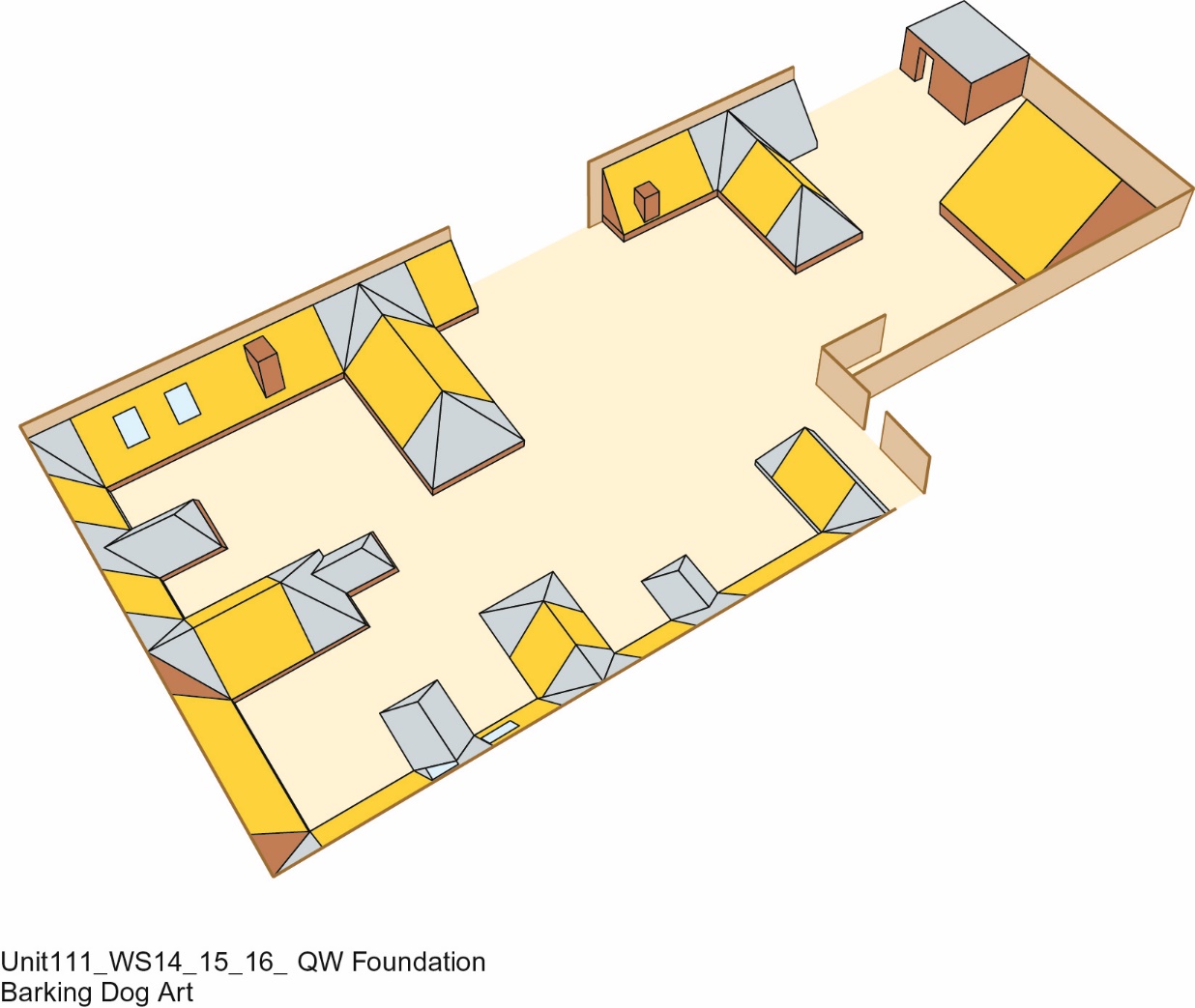
Unit 111: Roofing occupations

# Worksheet 16: Install natural slates – gable to gable

## Task instructions

* Prepare safe working area, ensuring safe to accommodate the application of natural slates.
* Identify quantity of slate required prior to starting task. Sort and grade all slates.
* Calculate the batten gauge. Pre-holed slates fixed gauge. Ensure head of slate sits on batten by 20mm.
* Apply all softwood battens to an equal gauge, ensuring head lap is maintained throughout. Fix slates with two 32mm copper nails.
* Calculate the overhang at verge, within recommendations (50mm–38mm).
* Apply non-asbestos undercloak.
* Complete at ridge with wet bedded ridge tiles, ensuring 20mm mortar bed, or dry.



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| --- | --- | --- | --- |
| Install regular-sized natural roof slates: **Install natural slates – gable to gable** | | | |
| **Area of work: Various** | **Achieved** | | **Comments** |
| **Yes** | **No** |
| Programme of work agreed with supervisor/trainer. |  |  |  |
| Conditions provided by the training centre were satisfactory. |  |  |  |
| Perp lines marked and struck accurately to present full and half bond positions (no more than 3 slates width apart). |  |  |  |
| Slate holing is accurate, counter sunk with small consistent holes 20–25 mm in from edges and at correct holing gauge. |  |  |  |
| Slates accurately graded into at least 3 thicknesses to be checked on the roof once laid (i.e. solid, even surface with thicknesses evident). |  |  |  |
| Under-eave and first course securely fixed with tails aligned 50mm (+/- 5mm) over fascia. |  |  |  |
| Heads of slates to finish halfway onto the battens (+/- 5mm) and running parallel to the top edges |  |  |  |
| Gaps between slating are consistent (3–5mm) throughout. |  |  |  |
| Slating laid to even margins throughout (within 5mm) to maintain minimum head lap and at half bond throughout (+/- 5mm). |  |  |  |
| Cut slates (under-eaves, verge slates and toppers) cut neatly to correct dimensions and securely fixed tops bedded). |  |  |  |
| Capped ridge tiles are secret bedded at edges and caps (no pointing), lay to a consistent line. Nailing spec maintained throughout (twice nailed). |  |  |  |
| Ensure safe use and maintenance of:   * hand tools * portable power tools * ancillary equipment |  |  |  |
| Work carried out in agreed time. |  |  |  |
| Work carried out safely. |  |  |  |
| Work area left tidy. |  |  |  |