

Reference: 31008950

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Client: Wales & West Housing Association
Archway House
77 Parc Ty Glas
Llanishen
Cardiff
CF14 5DU

Project: Celtic Bunkhouse
School Road
Merthyr Tydfil
CF48 4JS

Item 1 - Main Roof Lincoln

SPECIFICATION CLAUSES

H65 SINGLE LAP ROOF TILING/CLADDING

- To be read with Preliminaries/General conditions.

TYPES OF TILING

105 CLAY INTERLOCKING ROOF TILING

- Substrate Rafters at 600mm centres
- Pitch To be confirmed on site
- Underlay Marley UNIVERSAL Vapour Permeable Underlay (50m x 1m) (MA33150).
- Lay as clause 240, directly over rafters
- Minimum horizontal lap: 100mm.
- Battens As clause 245, JB-Red Treated Batten (50mm x 25mm) - Machine graded to the requirements of BS 5534.
- Fixing As clause 265,
- using Suitable Batten Nails (by others)
- Tiles Lincoln Clay Pantile (Code 123891)
- Colour Rustic Red
- Finish Smooth
- Size 370mm x 247mm
- Minimum Lap 75mm
- Fixing As clause 245,
- Refer to 'Fixing Specification for Marley Roof Tiles'

TILING/SLATING GENERALLY

205 MARLEY LIMITED INFORMATION

- Marley Ltd product codes are given in parentheses, e.g. Marley (Code 44200).
- Comply with current editions of Marley Ltd technical literature for each product.
- The Project Design Specification, including references to MarleyCad drawings, takes precedence over other technical literature.

- This Marley Ltd Project Specification is based on a model specification approved by NBS Services Ltd and is intended for use with NBS Preliminaries/General Conditions.

210 BASIC WORKMANSHIP

- Carry out all tiling work in accordance with BS 5534.
- Set out to give true lines and regular appearance, fitting neatly at all edges, junctions and features.
- Fix tile roofing to make the whole sound and weathertight at the earliest opportunity.
- Repair any defects as quickly as practicable to minimise damage and nuisance. Keep gutters and pipes free of debris and clean out at completion.

225 SUITABILITY OF STRUCTURE/BASE

- Before commencement of tiling, survey supporting structure/base, checking line, level and fixing points. Report immediately to the CA if the structure/base is unsuitable to receive tiling.

240 UNDERLAY

- Marley UNIVERSAL Vapour Permeable Underlay (50m x 1m) (Code MA33150)
- Handle carefully to prevent tears and punctures and repair with adhesive tape any which do occur.
- Lay parallel to eaves, maintaining consistent tautness, to minimise gaps.
- Vertical laps not less than 100mm wide, coinciding with supports. Horizontal laps to be min. 100mm – 225mm in accordance with BS 5534 Clause 6.2.1.1, to suit the design roof pitch. Seal Horizontal laps using the integral adhesive strip provided.
- Fix underlay with 20mm x 3mm zinc coated steel extra large head felt nails.
- Where pipes and other components penetrate the underlay, cut neatly and accurately and turn flanges up to give a tight, watershedding fit. Install underlay seals, catchment trays and weathering membranes where specified.
- Ensure that underlay does not obstruct roof ventilation.

245 JB RED BATTENS/COUNTERBATTENS – MACHINE GRADED TO BS5534

- Sawn softwood species to BS 5534, clause 4.11.1. Fully machine graded to the permissible characteristic requirements of BS 5534, Annex D. Moisture content not more than 22% at time of fixing.
- Preservative treatment: In accordance with BS 8417: 2011 Usage Class 2 and/or as section Z12 and WPA Commodity Specifications C8.
- Batten Identification to be in accordance with BS 5534, Clause 4.11.5. Delivery documentation and each batten marked showing supplier name, origin/species, grade to BS 5534 and size.
- Fix as specified below.

265 JB RED BATTENS ON TIMBER SUPPORTS

- JB-Red Treated Batten (50mm x 25mm) (Code 2025050RTN) - Machine graded to the requirements of BS 5534.
- To be in straight horizontal lines, aligned on adjacent areas, spanning over three supports, with no batten less than 1200mm long.
- Joints to be square cut, butted centrally on supports and must not occur more than once in any four consecutive battens on one support.
- Fix each batten to each support, splay nailing at ends.
- Ensure that batten fixings are specified to the correct length and diameter to resist anticipated design loads, including wind uplift forces.

275 TILE/SLATE FIXING

- Lay each course straight bond with tails aligned.
- Fix tiles as specified in TYPE(S) OF TILING. In all cases twice fix perimeter tiles, i.e. tiles in eaves course, top course, at verges, adjacent to hips, valleys and abutments and around obstructions such as dormers, rooflights and chimneys.
- Nail tiles where specified, using 38mm x 3.35mm Marley Aluminium Nails (Code MA30349).

280 LOCAL AND GENERAL FIXING AREAS

- As referred to in TYPE(S) OF TILING, are defined as follows:
- Local areas: the bands of tiling around all edges of each plane of the roof, calculated in accordance with BS5534 Figure H.1 for duopitch and hipped roofs, Figure H.2 for monopitch roofs, including around chimneys, rooflights etc. The width of each such band is to be not less than 15% of the plan width of the building, measured up, down or across the roof slope, at right angles to each relevant edge.
- General areas: the remaining areas of roof tiling.

ROOF EDGES / JUNCTIONS / FEATURES

305 GENERALLY

- Ensure that all relevant preparatory information e.g. rigid sarking, ventilation openings, valley boards and fascias, is communicated to other trades.
- Form all details using the specified Marley Ltd recommended fittings and accessories: do not improvise without approval.
- Fittings and accessories to be supplied by Marley Ltd to match the tile colour and finish unless specified otherwise.
- Cut tiles only where necessary, with an appropriate tool, to give straight clean edges.
- Fix edge tiles and fittings securely to neat, true lines.
- Ensure that all flashings (specified in another section) are fixed with or immediately after the tiling, and are neatly dressed down.

325 FIRE SEPARATING WALLS

- Ensure that the separating wall is cut on the rake 25 - 50mm below top of adjacent rafters.
- Fill space over top of wall with layer(s) of mineral fibre quilt so that, when rigid sarking (where provided), underlay and battens are laid it is lightly compressed. Tuck edges of quilt between edges of wall and adjoining rafters.
- Lay 300mm wide pads of mineral fibre quilt thick enough to seal all gaps and cut to fit snugly between battens. Fix in position with continuous self-adhesive tape from ridge to eaves before tiling.
- At boxed eaves completely seal air paths in the plane of the separating wall with wire reinforced mineral fibre, 50mm thick, nailed to rafter and carefully cut to shape to provide fire stopping.
- Where Marley Dry Fix Bonding Gutters are to be used, contact the Technical Advisory Service for further guidance.

341 EAVES

- Marley 10mm Universal Eaves Vent System (6m) (Code MA46350).
- Ensure that top of fascia board height is set to receive over fascia strip ventilator as per fixing instructions allowing tiling to lay in the same plane.
- Continuous Rafter Roll. Roll out over full length of eaves rafters and fix at each rafter to ensure free passage of air above insulation at wall plate level. Before fixing, lay pieces of mineral fibre quilt between rafters, over and behind wallplate to prevent cold bridging.
- Over Fascia Vent Strip. Fix to top of fascia board or timber batten with 45mm x 3.35mm aluminium nails (MA30398).
- Marley Felt Support Trays. Fix continuously over timber fillets fitted to each rafter, as support for underlay. Align lower edge of underlay with lower edge of trays.

- Fix Comb Filler Strip (Code MA30425) above Over Fascia Vent Strip and nail to fascia or tilting fillet with specified nail.
- Fix all tiles in the eaves course with Marley Aluminium Eaves Clips (Code MA30452) nailed with 45mm x 3.35mm Aluminium Clip Nails (Code 30398) and project tails to align with centre of gutter.

511 UNIVERSAL HIPFAST

- Leave 5mm continuous gap in underlay along length of each side of hip to provide air gap at sides.
- Ensure all raking cut roof tiles along the length of the hip are secured using the head 'C' clips and tail clips provided. Alternatively small cut tiles may be bonded to the adjacent full tiles using suitable Epoxy Resin Adhesive in accordance with the manufacturers recommendations.
- Marley Universal HipFast System (6m) (Code MA53400). Fix hip batten brackets to hip rafter using 25mm x 2.65mm stainless steel ring shank nails.
- Fit hip batten along length of hip and nail with bracket straps.
- Lay Hipfast Roll centrally along length of hip and fix at 2m centres to hip batten. Remove release paper and firmly apply to both sides of corrugated strip onto the top surface of the raking cut tiles.
- Fix Hipfast Hip Support Tray (Code MA34002) centrally along length of hip and fix at head to hip batten allowing 50mm lap over tray already fitted.
- Hip tiles: Marley Third Round Clay Hip Tile (375mm) (Code MA77387).
- Colour: Rustic Red.
- Fix each hip tile to hip batten using Hip Union and Union Clamp, mechanically fixed with 75mm x 4.8mm stainless steel screw supplied in fixing kit.
- Fit appropriate soaker directly to the HipRoll/RidgeRoll to weather the hip apex junction, and detailed to suit. or:
- Fit appropriate soaker as a flashing, over the apex tiles and detailed to the base of the tile edges.
- Secure the mitred end of top Hip tile by drilling a 6mm dia. hole centrally through the tile, approx. 125mm down from the apex, using a masonry drill. Fix the Hip tile to the hip battens using a screw with washer provided.

606 UNIVERSAL DRY VALLEY SYSTEM

- Ensure that 12mm thick valley boards cut between rafters provide full support for valley trough.
- Cover valley boards with a strip of underlay 1000mm wide, underlapping general underlay.
- Fix Code 4 lead apron at the foot of the valley, and dress over eaves fascia or tilting fillet to ensure discharge into eaves gutter.
- Marley GRP Dry Valley Trough (High Profile 3m) (Code MA30421).
- Fix Dry Valley trough by nailing outer flanges to supporting timbers at 500mm max.centres, lapping lead apron by a minimum 150mm - 200mm.
- Lay roof underlay to overlap valley trough and trim between outer and inner flanges; trim tiling battens to lap onto the outer flange and nail to supporting timber.
- Cut raking tiles neatly to butt closely to central upstand of valley.
- Secure all small raking cut tiles with tail clips.
- Secure all small raking cut tiles using Marley Secret Cut Tile Clips (Code MA43607).
- Fill any small void in the upstand of the valley trough with a suitable mastic.

666 SIDE ABUTMENT USING FLEXFAST

- Turn underlay at least 50mm up abutment.
- Finish tiling close to abutment, cut as necessary to maintain bond.
- Ensure all surfaces are clean, dry and free from dust. Dress Marley FlexFast Lead Repalcement Roll (5m x 300mm) (Code MA42610) closely over tiles by not less than 150mm, with a minimum wall upstand of 80 - 150mm. Peel back release paper and adhere FlexFast firmly into position.
- Fix along the wall upstand using Flexfast Aluminium Trim (2.5m) (Code MA42345), mechanically fixed with suitable wall plugs and screws. Seal along FlexFast trim edge using high quality external grade waterproof sealant (by others).

670 TOP EDGE ABUTMENT

- Turn underlay at least 50mm up abutment.
- Fit tiles closely to abutment.
- Ensure that code 4 or 5 lead apron flashing (specified in another section) is dressed closely over tiles by not less than 150mm.

790 UNIVERSAL RIDGEFAST

- Leave 5mm continuous gap in underlay along length of ridge to provide air gap at apex.
- Marley Universal RidgeFast System (6m) (Code MA53300). Fix ridge batten brackets to each rafter using 25mm x 2.65mm stainless steel ring shank nails.
- Fit ridge batten along length of ridge and nail using bracket straps.
- Lay Ridgefast Roll centrally along length of ridge and fix at 2m centres to ridge batten. Remove release paper and firmly apply both sides of corrugated strip onto the top surface of the top course tiles.
- Ridgefast Blanking Tape (Code 33001). Apply two strips of 2m long Blanking Tape over the ventilation holes in the Ridge Roll either side of a Gas or Vent Ridge Terminal to prevent noxious fumes entering the roof void.
- Ridge tiles: Marley HR Clay Ridge Tile (375mm) (Code MA77187).
- Colour: Rustic Red.
- Fix each ridge tile to ridge batten using Ridge Union and Union Clamp, mechanically fixed with 75mm x 4.8mm stainless steel screw supplied in fixing kit.

810 JUNCTIONS

- Fix a Code 4 lead saddle (specified in another section) to provide a weathertight detail at each: Ridge / Hip / Valley.

880 SUNDRY ACCESSORIES

- All rolled lead sheet details to be in accordance with the Lead Sheet Associations recommendations. Tel: 01622 872432.

Item 2 - Main Roof Edgemere

SPECIFICATION CLAUSES

H65 SINGLE LAP ROOF TILING/CLADDING

- To be read with Preliminaries/General conditions.

TYPES OF TILING

120 CONCRETE INTERLOCKING ROOF TILING

- Base Rafters at 600mm centres.
- Pitch To be confirmed on site
- Underlay Marley UNIVERSAL Vapour Permeable Underlay (50m x 1m) (MA33150).
- Lay as clause 240, directly over rafters.
- Minimum horizontal lap: 100mm.
- Battens As clause 245, JB-Red Treated Batten (50mm x 25mm) - Machine graded to the requirements of BS 5534.
- Fixing As clause 265,
- using Suitable Batten Nails (by others).
- Tiles Edgemere (Code MA35538).
- Colour Anthracite.
- Finish Smooth.
- Size 420mm x 330mm.
- Minimum Lap 75mm.
- Fixing As clause 275,
- Refer to 'Fixing Specification for Marley Roof Tiles'.

TILING/SLATING GENERALLY

205 MARLEY LIMITED INFORMATION

- Marley Ltd product codes are given in parentheses, e.g. Marley (Code 44200).
- Comply with current editions of Marley Ltd technical literature for each product.
- The Project Design Specification, including references to MarleyCad drawings, takes precedence over other technical literature.
- This Marley Ltd Project Specification is based on a model specification approved by NBS Services Ltd and is intended for use with NBS Preliminaries/General Conditions.

210 BASIC WORKMANSHIP

- Carry out all tiling work in accordance with BS 5534.
- Set out to give true lines and regular appearance, fitting neatly at all edges, junctions and features.
- Fix tile roofing to make the whole sound and weathertight at the earliest opportunity.
- Repair any defects as quickly as practicable to minimise damage and nuisance. Keep gutters and pipes free of debris and clean out at completion.

225 SUITABILITY OF STRUCTURE/BASE

- Before commencement of tiling, survey supporting structure/base, checking line, level and fixing points. Report immediately to the CA if the structure/base is unsuitable to receive tiling.

240 UNDERLAY

- Marley UNIVERSAL Vapour Permeable Underlay (50m x 1m) (Code MA33150)
- Handle carefully to prevent tears and punctures and repair with adhesive tape any which do occur.
- Lay parallel to eaves, maintaining consistent tautness, to minimise gaps.
- Vertical laps not less than 100mm wide, coinciding with supports. Horizontal laps to be min. 100mm – 225mm in accordance with BS 5534 Clause 6.2.1.1, to suit the design roof pitch. Seal Horizontal laps using the integral adhesive strip provided.
- Fix underlay with 20mm x 3mm zinc coated steel extra large head felt nails.
- Where pipes and other components penetrate the underlay, cut neatly and accurately and turn flanges up to give a tight, watershedding fit. Install underlay seals, catchment trays and weathering membranes where specified.
- Ensure that underlay does not obstruct roof ventilation.

245 JB RED BATTENS/COUNTERBATTENS – MACHINE GRADED TO BS5534

- Sawn softwood species to BS 5534, clause 4.11.1. Fully machine graded to the permissible characteristic requirements of BS 5534, Annex D. Moisture content not more than 22% at time of fixing.
- Preservative treatment: In accordance with BS 8417: 2011 Usage Class 2 and/or as section Z12 and WPA Commodity Specifications C8.
- Batten Identification to be in accordance with BS 5534, Clause 4.11.5. Delivery documentation and each batten marked showing supplier name, origin/species, grade to BS 5534 and size.
- Fix as specified below.

265 JB RED BATTENS ON TIMBER SUPPORTS

- JB-Red Treated Batten (50mm x 25mm) (Code 2025050RTN) - Machine graded to the requirements of BS 5534.
- To be in straight horizontal lines, aligned on adjacent areas, spanning over three supports, with no batten less than 1200mm long.
- Joints to be square cut, butted centrally on supports and must not occur more than once in any four consecutive battens on one support.
- Fix each batten to each support, splay nailing at ends.
- Ensure that batten fixings are specified to the correct length and diameter to resist anticipated design loads, including wind uplift forces.

275 TILE/SLATE FIXING

- Lay each course half broken bond with tails aligned.
- Use half width tiles at ends of courses to maintain bond and ensure that cut tiles are as large as possible.
- Fix tiles as specified in TYPE(S) OF TILING. In all cases twice fix perimeter tiles, i.e. tiles in eaves course, top course, at verges, adjacent to hips, valleys and abutments and around obstructions such as dormers, rooflights and chimneys.
- Nail tiles where specified, using 45mm x 3.35mm Marley Aluminium Nails (Code MA30398).
- Fix tiles where specified to tiling battens using Marley Aluminium Solofix Tile Clips (Code MA30441).

280 LOCAL AND GENERAL FIXING AREAS

- As referred to in TYPE(S) OF TILING, are defined as follows:.

- Local areas: the bands of tiling around all edges of each plane of the roof, calculated in accordance with BS5534 Figure H.1 for duopitch and hipped roofs, Figure H.2 for monopitch roofs, including around chimneys, rooflights etc. The width of each such band is to be not less than 15% of the plan width of the building, measured up, down or across the roof slope, at right angles to each relevant edge.
- General areas: the remaining areas of roof tiling.

ROOF EDGES / JUNCTIONS / FEATURES

305 GENERALLY

- Ensure that all relevant preparatory information e.g. rigid sarking, ventilation openings, valley boards and fascias, is communicated to other trades.
- Form all details using the specified Marley Ltd recommended fittings and accessories: do not improvise without approval.
- Fittings and accessories to be supplied by Marley Ltd to match the tile colour and finish unless specified otherwise.
- Cut tiles only where necessary, with an appropriate tool, to give straight clean edges.
- Fix edge tiles and fittings securely to neat, true lines.
- Ensure that all flashings (specified in another section) are fixed with or immediately after the tiling, and are neatly dressed down.

325 FIRE SEPARATING WALLS

- Ensure that the separating wall is cut on the rake 25 - 50mm below top of adjacent rafters.
- Fill space over top of wall with layer(s) of mineral fibre quilt so that, when rigid sarking (where provided), underlay and battens are laid it is lightly compressed. Tuck edges of quilt between edges of wall and adjoining rafters.
- Lay 300mm wide pads of mineral fibre quilt thick enough to seal all gaps and cut to fit snugly between battens. Fix in position with continuous self-adhesive tape from ridge to eaves before tiling.
- At boxed eaves completely seal air paths in the plane of the separating wall with wire reinforced mineral fibre, 50mm thick, nailed to rafter and carefully cut to shape to provide fire stopping.
- Where Marley Dry Fix Bonding Gutters are to be used, contact the Technical Advisory Service for further guidance.

341 EAVES

- Marley 10mm Universal Eaves Vent System (6m) (Code MA46350).
- Ensure that top of fascia board height is set to receive over fascia strip ventilator as per fixing instructions allowing tiling to lay in the same plane.
- Continuous Rafter Roll. Roll out over full length of eaves rafters and fix at each rafter to ensure free passage of air above insulation at wall plate level. Before fixing, lay pieces of mineral fibre quilt between rafters, over and behind wallplate to prevent cold bridging.
- Over Fascia Vent Strip. Fix to top of fascia board or timber batten with 45mm x 3.35mm aluminium nails (MA30398).
- Marley Felt Support Trays. Fix continuously over timber fillets fitted to each rafter, as support for underlay. Align lower edge of underlay with lower edge of trays.
- Fix all tiles in the eaves course with Marley Aluminium Eaves Clips (Code MA30297) nailed with 45mm x 3.35mm Aluminium Clip Nails (Code 30398) and project tails to align with centre of gutter.

511 UNIVERSAL HIPFAST

- Leave 5mm continuous gap in underlay along length of each side of hip to provide air gap at sides.
- Ensure all raking cut roof tiles along the length of the hip are secured using the head 'C'clips and tail clips provided. Alternatively small cut tiles may be bonded to the adjacent full tiles using suitable Epoxy Resin Adhesive in accordance with the manufacturers recommendations.

- Marley Universal HipFast System (6m) (Code MA53400). Fix hip batten brackets to hip rafter using 25mm x 2.65mm stainless steel ring shank nails.
- Fit hip batten along length of hip and nail with bracket straps.
- Lay Hipfast Roll centrally along length of hip and fix at 2m centres to hip batten. Remove release paper and firmly apply to both sides of corrugated strip onto the top surface of the raking cut tiles.
- Fix Hipfast Hip Support Tray (Code MA34002) centrally along length of hip and fix at head to hip batten allowing 50mm lap over tray already fitted.
- Hip tiles: Marley Modern Ridge Tile (457mm) (Code MA20938).
- Colour: Anthracite.
- Fix each hip tile to hip batten using Hip Union and Union Clamp, mechanically fixed with 75mm x 4.8mm stainless steel screw supplied in fixing kit.
- Hip ends: Marley Modern Block End Hip (457mm) (Code MA29238).
- Fit appropriate soaker directly to the HipRoll/RidgeRoll to weather the hip apex junction, and detailed to suit. or:
- Fit appropriate soaker as a flashing, over the apex tiles and detailed to the base of the tile edges.
- Secure the mitred end of top Hip tile by drilling a 6mm dia. hole centrally through the tile, approx. 125mm down from the apex, using a masonry drill. Fix the Hip tile to the hip battens using a screw with washer provided.

606 UNIVERSAL DRY VALLEY SYSTEM

- Ensure that 12mm thick valley boards cut between rafters provide full support for valley trough.
- Cover valley boards with a strip of underlay 1000mm wide, underlapping general underlay.
- Fix Code 4 lead apron at the foot of the valley, and dress over eaves fascia or tilting fillet to ensure discharge into eaves gutter.
- Marley GRP Dry Valley Trough (Low Profile 3m) (Code MA30422).
- Fix Dry Valley trough by nailing outer flanges to supporting timbers at 500mm max.centres, lapping lead apron by a minimum 150mm - 200mm.
- Lay roof underlay to overlap valley trough and trim between outer and inner flanges; trim tiling battens to lap onto the outer flange and nail to supporting timber.
- Cut raking tiles neatly to butt closely to central upstand of valley.
- Secure all small raking cut tiles with tail clips.
- Fill any small void in the upstand of the valley trough with a suitable mastic.

664 SIDE ABUTMENT USING FLEXFAST - MARLEY DRY SOAKER

- Left Hand Side: LH Dry Soaker (Edgemere - Pack 10) (Code MA30474)
- Right Hand Side: RH Dry Soaker (Edgemere - Pack 10) (Code MA30475)
- Lay the roofing underlay and turn up against the abutment.
- Fit battens leaving a small gap to the abutment and trim underlay to 100mm above the battens.
- Push fit suitably handed soakers on to the tiles with the 90° turndown locating over the head of the tile.
- Lay and fix tiles and soakers along the abutment, finishing tiling close to abutment, cutting as necessary to maintain bond.
- Cover the 75mm preformed soaker upstand using Marley Flexfast lead replacement roll (Code MA42610).
- Ensure all surfaces are clean, dry and free from dust. Dress a length of FlexFast 100-150mm wide against the abutment to provide a minimum of 65mm covering over the soaker upstand. Peel back release paper and adhere firmly into position.
- Where joints are required, fold back the end 25mm of the first roll and lap the next roll over by 100mm, ensuring 75mm adherence to the flashing and 25mm butyl to butyl adhesion.
- Fix along the wall upstand using Flexfast Aluminium Trim (2.5m) (Code MA42345), mechanically fixed with suitable wall plugs and screws. Seal along FlexFast trim edge using high quality external grade waterproof sealant (by others).

671 TOP EDGE ABUTMENT - FLEXFAST

- Turn underlay at least 50mm up abutment.

- Fit tiles closely to abutment, cutting where necessary to maintain the appropriate bond.
- Ensure all surfaces are clean, dry and free from dust. Form Marley FlexFast Lead Repalcement Roll (5m x 300mm) (Code MA42610), dressed closely over tiling by not less than 150mm, with a minimum wall upstand of 80 - 150mm. Peel back release paper and adhere FlexFast firmly into position.
- Where joints are required, Fold back the end 25mm of the first roll and lap the next roll over by 100mm, ensuring 75mm adhesion to the flashing and 25mm butyl to butyl adhesion.
- Fix along the wall upstand using Flexfast Aluminium Trim (2.5m) (Code MA42345), mechanically fixed with suitable wall plugs and screws. Seal along FlexFast trim edge using high quality external grade waterproof sealant (by others).

790 UNIVERSAL RIDGEFAST

- Leave 5mm continuous gap in underlay along length of ridge to provide air gap at apex.
- Marley Universal RidgeFast System (6m) (Code MA53300). Fix ridge batten brackets to each rafter using 25mm x 2.65mm stainless steel ring shank nails.
- Fit ridge batten along length of ridge and nail using bracket straps.
- Lay Ridgefast Roll centrally along length of ridge and fix at 2m centres to ridge batten. Remove release paper and firmly apply both sides of corrugated strip onto the top surface of the top course tiles.
- Ridgefast Blanking Tape (Code 33001). Apply two strips of 2m long Blanking Tape over the ventilation holes in the Ridge Roll either side of a Gas or Vent Ridge Terminal to prevent noxious fumes entering the roof void.
- Ridge tiles: Marley Modern Ridge Tile (457mm) (Code MA20938).
- Colour: Anthracite.
- Fix each ridge tile to ridge batten using Ridge Union and Union Clamp, mechanically fixed with 75mm x 4.8mm stainless steel screw supplied in fixing kit.

810 JUNCTIONS

- Fix a Code 4 lead saddle (specified in another section) to provide a weathertight detail at each: Ridge / Hip / Valley.

880 SUNDRY ACCESSORIES

- All rolled lead sheet details to be in accordance with the Lead Sheet Associations recommendations. Tel: 01622 872432.