

Acme Single Camber - Clay Plain Tile

Feature Tiles & Decorative Ridges

Decorative Ridges

Plain Roll Top Ridge (75°-135°)
 Club Crested Ridge (90° & 105°)
 Cocks Comb Crested Ridge (90° & 105°)
 Two Hole Crested Ridge (90° & 105°)
 Fleur-De-Lys Half Round Finial – Mortar Bedded
 Fleur-De-Lys Angle Finial – Mortar Bedded
 Ball Top Half Round Finial – Mortar Bedded
 Ball Top Angle Finial – Mortar Bedded
 Scroll Half Round Finial – Mortar Bedded
 Scroll Angle Finial – Mortar Bedded

Feature Tiles

External Vertical Angle Tile – RH/LH
 Creasing Tile – Smooth Red Only

*Maximum 4 courses then min 4 course plain tiles

* Bullnose Feature Tile – 35° - 90°
 * Bullnose Feature Gable – RH/LH
 * Club Feature Tile – 35° - 90°
 * Club Feature Gable – RH/LH

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Hips and Valleys

Hip – Mortar Bedded	Mitred Hip with Soakers 35° - 60° Granny Bonnet Hip (MAKEXXXZGBHB) Tiles 40° - 60° Semi Bonnet Hip Tiles (MAKEXXXZSBHB) 35° - 40° Arris Hip Tiles (MAKEXXXARHB) 35° - 45° 305mm Third Round (MAKEXXXZTRTB) 35° - 45° 305mm Plain Angle 90°-105° (MAKEXXXPARB) - (internal angle)
Hip – Dry Fix	UNIVERSAL HipFast (MA53400) UNIVERSAL HipFast Support trays (MA34002) RidgeFast/HipFast union pack (MA53303) 305mm Third Round Hip (MAKEXXXZTRTB) 305mm Third round hip end (MAKEXXXZTHEB)
Valley	Universal GRP Dry Valley – Low Profile 35° - 60° (MA30422) Mitred Valleys with Soakers 50° Valley Tiles – 35° - 50° pitch/130° - 150° angle Laced/Swept Valley 45° min
Fittings	Tile and Half Tiles (MAKEXXXBB) Eave/Top Tiles (MAKEXXXCB)
Bonding Gutter	Bonding Gutter – Low Profile (MA40471)

Fixings

Fixing	Due to several factors including, but not limited to, location and building design, a bespoke Roof Fixing Specification must be obtained.
Clips	All perimeter tiles must be twice fixed in accordance with BS 5534. Valleys - Secret Cut Tile Clip (MA43607)
Nails	38mm x 2.65mm (MA30348) If in a coastal local stainless steel nail may be required.

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Abutment

Side Abutment	FlexFast Lead replacement roll (MA42610/MA42611) FlexFast Trim (MA42345) Dry Fix Soakers LH (MA30478) RH (MA30479) Lead soakers and step Flashing in accordance with 1LSTA
Top Abutment	FlexFast Lead replacement roll (MA42610/MA42611) FlexFast Trim (MA42345) Lead Flashing in accordance with 1LSTA

Ridges

Ridge - Dry Fix	UNIVERSAL RidgeFast (MA53300) RidgeFast/HipFast union pack (MA53303) 305mm Half Round Ridge (MAKEXXXZHRDB) 305mm half Round Ridge Stop End (MAKEXXXZHSEB)
Ridge - Mortar Bedded	All Clay and Concrete Ridge Tiles – Pitch Dependant Mortar Bedded Security Ridge Fixing Kit (MA54365)
Mono-Ridge – Mortar Bedded (no dry-fix solution)	Mono Pitch Ridge Tile – 35°-45° Mechanical fixing via 2no screw holes to rear of tile

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Ventilation

Ventilation	25mm Eaves/Low Level Ventilation (MA46351) Warm Roof 10mm Eaves/Low Level Ventilation (MA46350) Cold Roof Universal Ridgefast System Warm/Cold Roof Universal HipFast System (MA53400) Warm/Cold Roof Clay In-Line Vent Tile (MAKE---ZICVB) Clay in line vent adaptor (MAGL902ZVPAB) Universal Plain Contour In-Line Tile Vent Terminal (MA45500) Flexible pipe (MA39091)
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Base Layers

Underlay	Vapour Permeable (MA33150) Non-Vapour Permeable (MA33145)
Batten	JB Red – 38mm x 25mm for rafters not exceeding 600mm centres. (Fixed to BS5534)

Verge

Verge	LH Cloaked Verge (MAKE***ZLVTB) / RH Cloaked Verge (MAKE***ZRVTB)
Undercloak – Mortar Bedded	Plain Tile Undercloak – 38mm - 50mm Overhang Fibre Cement Undercloak – 38mm - 50mm Overhang
Dry Verge	Plain Tile Dry Verge System (MA38501) Fixing Kit (MA38510)

Eaves

Eaves and Top Course	Eaves/Tops Tiles – Undercourse/Finishing Course (MAKEXXXCB)
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Tile Design	Clay Single Camber Plain Tile
Minimum Pitch	30°
Maximum Pitch	90°
Size of Tile	265mm x 165mm
Minimum Headlap (Max Gauge)	65mm – Roof (100mm) 35mm – Vertical (115mm)
Tile Thickness	11mm (nominal)
Cover width	165mm (nominal)
Covering Capacity (net)	100mm gauge - 60 tiles/m ² Roof 115mm gauge - 53 tiles/m ² - Vertical
Weight of Tiling	100mm gauge - 64kg/m ² (0.63 kN/m ²) - Roof 115mm gauge - 56kg/m ² (0.55 kN/m ²) - Vertical
Quantity Per Pallet	Main Tiles - 1260 Eaves/Tops Tiles - 1500 Tile-and-a-half - 756
Battens Required	100mm gauge - 10.0 lin.m/m ² - Roof 115mm gauge - 8.7 lin.m/m ² - Vertical
Recommended Batten Size	38mm x 25mm for rafters not exceeding 600mm centres (Fixed to BS5534)
Underlay	Vapour Permeable (MA33150)Non-Vapour Permeable (MA33145)
Tile Colours Available	Heather Sand faced (F) (MAKE314AB) Grey Sand faced (F) (MAKE317AB) Red Sand faced (F) (MAKE307AB) Heather Blend (F) (MAKE304AB) Century (S) (MAKE310AB) Farmhouse Brown (F) (MAKE316AB) Red Smooth (S) (MAKE301AB) Mixed Brindle (S) (MAKE309AB) S – Smooth Finish F – Fine Sanded Finish

							
Heather Sand faced MAKE314AB	Grey Sand faced MAKE317AB	Red Sand faced MAKE307AB	Heather Blend MAKE304AB	Century MAKE310AB	Farmhouse Brown MAKE316AB	Red Smooth MAKE301AB	Mixed Brindle MAKE309AB

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Other	
Useful Links	CAD Details Roof Fixing Specification Product Catalogue BIM Standards & Certificates Request a sample
Sustainability	A+ rated in the BRE Green Guide (based on the generic rating for UK produced clay plain tiles Element ref: 81240006) BES 6001 Responsible Sourcing Certified Carbon Footprint Measurement
Authority	BS EN 1304
British Standards	BS5534 – Slating and tiling for pitched roofs and vertical cladding – Code of practice BS 5250 – Code of practice for control of condensation in buildings BS 8000-6 – Workmanship on building site – Code of practice

*Some product codes have been published, if you require a code which is not present please contact our Technical Team on 01283 722230

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¹LTSA – The Lead Sheet Training Academy