Acme Double Camber - Clay Plain Tile

Tile Design	Clay Double Camber Plain Tile
Minimum Pitch	35°
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/m² Roof 115mm gauge - 53 tiles/m² - Vertical
Weight of Tiling	100mm gauge - 64kg/m² (0.63 kN/m²) Roof 115mm gauge - 56kg/m² (0.55 kN/m²) - Vertical
Quantity Per Pallet	Main Tiles - 1260 Eaves/Tops Tiles - 1500 Tile-and-a-half - 756
Battens Required	100mm gauge - 10.0 lin.m/m² - Roof 115mm gauge - 8.7 lin.m/m² - Vertical
Recommended Batten Size	38mm x 25mm for rafters not exceeding 600mm centres (Fixed to BS5534)
Underlay	Universal Vapour permeable underlay (MA33150) Universal Non vapour permeable underlay (MA33145)
Tile Colours Available	Smooth Brindle (S) (MAKE002AB) Dark Brindle (S) (MAKE009AB) Antique (F) (MAKE032AB) Burnt Flame (S) (MAKE013AB) S – Smooth Finish F – Fine Sanded Finish



Smooth Brindle
MAKE002AB



Dark Brindle
MAKE009AB



Antique
MAKE032AB



Burnt Flame
MAKE013AB

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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)

Base Layers	
Underlay	Universal Vapour permeable underlay (MA33150) Universal Non vapour permeable underlay (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 – Under course/Finishing Course (MAKE***CB)

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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 [1]LSTA
Top Abutment	FlexFast Lead replacement roll (MA42610/MA42611) FlexFast Trim (MA42345) Lead Flashing in accordance with [1]LSTA

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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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 (MAKEXXXXARHB) 35° - 45° 305mm Third Round (MAKEXXXZTRTB) 35° - 45° 305mm Plain Angle 90°-105° (MAKEXXXXXPARB) - (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) 450mm Plain Angle 90°-135° - (MAKEXXXXPAFB) (internal angle)
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 (MAKE***BB) Eave/Top Tiles (MAKE***CB)
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.** All perimeter tiles must be twice fixed in accordance with BS 5534.
Clips	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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Feature Tiles & Decorative Ridges	
Decorative Ridges	Red Smooth Only Club Crested Ridge (90° & 105°) (MAKE001XCCRB) Cocks Comb Crested Ridge (90° & 105°) (MAKE001XCCCB) Two Hole Crested Ridge (90° & 105°) (MAKE001XTHCB) Fleur-De-Lys Half Round– Finial Mortar Bedded (MAKE001ZHFDB) With extension piece (MAKE001ZHFXB) Ball Top Half Round Finial – Mortar Bedded (MAKE001ZHBTB) With extension piece (MAKE001ZHBXB) Scroll Half Round Finial – Mortar Bedded (MAKE001ZHSFB) Red smooth and Slate Black Fleur-De-Lys Angle Finial 90° & 105° – Mortar Bedded (MAKEXXXXFDFB) With extension piece (MAKEXXXXFDXB) Ball Top Angle Finial 90° & 105°– Mortar Bedded (MAKEXXXXBTFB) With extension piece (MAKEXXXXBRXB) Scroll Angle Finial – Mortar Bedded (MAKEXXXXSCFB)
Feature Tiles	External Vertical Angle Tile – RH/LH (MAKEXXXXEARB/MAKEXXXXEALB) Creasing Tile – Red Smooth Only (MAKE320AB)
*Maximum 4 courses then min 4 course plain tiles	* Bullnose Feature Tile – 35° - 90° (MAKEXXXAB) * Bullnose Feature Gable – RH/LH (MAKEXXXRB/MAKEXXXXLB) * Club Feature Tile – 35° - 90° (MAKEXXXAB) * Club Feature Gable – RH/LH (MAKEXXXRB/MAKEXXXLB)

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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	BS 5534 – 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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[1]LTSA – The Lead Sheet Training Academy