



# Technical Data Sheet

Chartham Red is a warm red sanded plain tile which displays subtle shade variations, creating a deep, mellow and naturally occurring colour, resultant from the selected clay and customary firing processes and techniques, used during production.

'Chartham Red' clay tiles provide a timeless roofscape or façade in any environment.

Handmade in the traditional fashion, the character and aesthetic of warm rich colour blends, together with varying texture and shape, ensures total versatility in their use, from restoration, refurbishment or contemporary new build.

The tiles are complimented by a full range of handmade clay fittings including ridge and valley tiles, bonnet hips and angles for vertical tile hanging.

## Chartham Red



Technical Data	Roof	Vertical
Minimum roof pitch	35°	75°
Headlap (minimum)	65mm	38mm
Batten spacing at maximum gauge	100mm	114mm
Size of tile	265 x 165mm	265 x 165mm
Covering capacity	60.0 tiles per m <sup>2</sup>	53.0 tiles per m <sup>2</sup>
Cover width	165mm	165mm
Weight as laid	72.0kg per m <sup>2</sup>	63.6kg per m <sup>2</sup>
Weight per 1000	1.2 tonnes	1.2 tonnes
Weight per tile	1.2kg	1.2kg
Battens per m <sup>2</sup>	10m	8.8m
Batten size - up to 450 mm after centres	38 x 25mm	38 x 25mm
Batten size - up to 600 mm after centres	38 x 25mm	38 x 25mm
Nail size/type for tiles	38 x 3.35mm aluminium ring shank clout head	38 x 3.35 mm aluminium ring shank clout head

Note: Unless otherwise stated, data is based on tiles laid at minimum headlap.

## Performance

### Mechanical fixing

Plain tiles should have a minimum mechanical fixings in accordance with the following:

At verges, abutments and either side of hips and valleys, the end tile in each course should be twice nailed. At eaves and top edges, each tile in two courses of tiles should be twice nailed. For rafter pitches below 60°, each tile in every fifth course should be twice nailed. For rafter pitches of 60° and above, each tile should be twice nailed.

In addition, a wind loading calculation should be carried out in accordance with BS 5534 to determine any additional fixing which may be necessary. Detailed wind loading and mechanical fixing specifications are available on request.

### Sitework

SIGNature tiles should be laid and fixed to comply with BS 5534, 'Code of Practice for Slating and Tiling' and BS 8000: Part 6, 'Code of Practice for Workmanship on Building Sites - Slating and Tiling'.

## Chartham Red



## Warranty

We are pleased to offer a 30 year product warranty on this tile, backed by SIG, a FTSE 250 company.

## Standards

### Quality

BS EN ISO 9001: Quality management systems

### Manufacturing

BS EN 1304: Clay roofing tiles / BS EN 1024: Geometric characteristics / BS EN 538: Flexural Strength / BS EN 539-1: Impermeability / BS EN 539-2: Frost resistance

### Design & fixing

BS 5534: Code of practice for slating and tiling / BS 8000-6: Workmanship on building sites / BS 5250: Control of condensation

### Fire resistance

BS EN 1304: deemed to satisfy BS 476-3: SAA rated

### In use

The contractor must work in accordance with BS 8000-6 and fix all tiles in accordance with BS 5534.

### Maintenance

Extremely low maintenance. Only periodic removal of debris or growth required if in high-risk areas.

### Packaging and storage

Supplied shrink wrapped on pallets. Always ensure that tiles are stacked on firm, even ground with good drainage.

### Health & safety

Adhere to current health and safety rules at all times.