

MATERIAL SPECIFICATIONS OF EXTERNAL MATERIALS  
FOR  
1-2 COMPTON CLOSE EARLEY RG6 7EA  
TO  
DISCHARGE CONDITION 3 OF PLANNING APPLCATION NUMBER  
240694

# ROOF--Redland Concrete Plain Roof Tile - Rustic Red

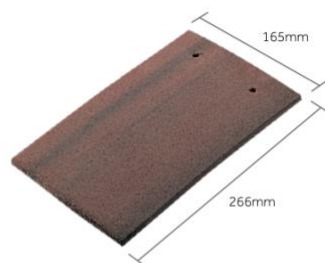
## TECHNICAL DATA SHEET

Reference: RED\_TDS\_2203\_10201B1E1AHEP

UniClass: Pr\_25\_93\_72\_18

## Plain Tile

Offers great versatility and scope for varied effects. Our concrete Plain Tiles are available in a range of twelve different surface finishes and colours to blend with traditional roofing materials across the country.



### KEY ADVANTAGES

- Versatile concrete tile with wide scope for a variety of roofing effects
- Quick and easy to lay
- Smooth, coated and sanded finishes to blend with every regional roofing style

### PRODUCT DATA

|                                                                                                              |                                                                                          |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>Size (overall)</b>                                                                                        | 266 x 165mm                                                                              |
| <b>Minimum Pitch</b>                                                                                         | 35°                                                                                      |
| <b>Maximum Pitch</b> (subject to fixing specification)                                                       | 90°                                                                                      |
| <b>Minimum Headlap</b>                                                                                       | Below 90° 65mm / at 90° 35mm                                                             |
| <b>Maximum Headlap</b>                                                                                       | 88mm                                                                                     |
| <b>Minimum Gauge/Batten Spacing</b>                                                                          | 88mm                                                                                     |
| <b>Maximum Gauge/Batten Spacing</b>                                                                          | below 90° 100mm / at 90° 115mm                                                           |
| <b>Hanging Length</b> (approx)                                                                               | 248mm                                                                                    |
| <b>Cover</b> (all figures are net & do not allow for wastage)<br>Linear cover of 1 tile<br>Covering capacity | 165mm<br>below 90° 60 tiles/m <sup>2</sup> / at 90° 52 tiles/m <sup>2</sup>              |
| <b>Weight</b> (at max. gauge approx)*<br>per pallet, including pallet (approx)<br>per 1000                   | below 90° 75kg/m <sup>2</sup> / at 90° 65kg/m <sup>2</sup><br>1.01 tonnes<br>1.25 tonnes |
| <b>Battens Required</b> (at max. gauge)                                                                      | below 90° 10.0m/m <sup>2</sup>                                                           |
| <b>Batten Size</b><br>Rafter centres up to 600mm                                                             | 38 x 25mm                                                                                |
| <b>Fixing Clips</b>                                                                                          | Top Tile Clips                                                                           |
| <b>Nail Size for Slates**</b>                                                                                | 40 x 2.65mm (A/A)                                                                        |
| <b>Pallet Quantities</b>                                                                                     | Tiles per pallet 768<br>Tiles per pack 16<br>Packs per pallet 48                         |

\*All weights nominal \*\* (A/A) Aluminium Alloy



**SCAN THE QR CODE**  
for more  
information  
or to order a  
tile sample

**BMI Redland**

BMI Group UK Limited, BMI House, 2 Pitfield, Kiln Farm, Milton Keynes, MK11 3LW.

Product, technical standards and codes of practice are under constant review. We reserve the right to change and amend products and information without prior notice. For the latest information, suitability and specification advice, please contact our BMI Redland Technical Services prior to installation.

#### INSTALLATION GUIDELINES:

- Tiles are stacked by wedging a tile vertically behind a batten to create a platform for a stack of tiles
- Tiles must be laid broken bond in a half bond pattern, but the sidelap may be reduced to a minimum of a third of the width of the tile (55mm) in some circumstances, e.g. curved roofing
- Tiles must be hung on their nibs
- Adjacent tiles should be laid with no more than a 3mm gap
- At eaves, use double courses with purpose made Eaves/Top Tiles for the undercourse
- At verges and abutments, use Standard Plain Tiles and Tile-and-a-Halves in alternate courses
- Adjacent to hips and valleys, use Tile-and-a-Halves for raking cuts
- At side abutments, allow for stepped flashing and soakers
- At top courses use double courses with purpose made Eaves/Top Tiles for the top course
- For Winchester Cuts use two Tile-and-a-Halves per course. This detail must not be used to abut roof pitches below 40° or in exposed locations. In these cases, use soldier or double soldier courses
- Always refer to FixMaster for a BS 5534-compliant fixing specification
- When nailing, two nails must be used per tile
- With ridges and top edge abutments, since the Eaves/Top Tiles hang on the top course of tiles, they are fixed to the tile below with Top Tile Clips



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#### PRODUCT STANDARDS

Concrete Plain Tiles conform to BS EN 490:2011+A1:2017 Concrete roofing tiles and fittings for roof covering and wall cladding. Tiles will meet all the requirements of BS 5534: 2014 Code of practice for slating and tiling (including shingles), providing BMI Redland fixing recommendations are complied with.

#### FURTHER INFORMATION & TOOLS

For access to BIM objects or NBS-based clauses, Declarations of Performance, Material Safety Data Sheets, product codes or for expert help and advice, please visit our website.

#### SAFETY, QUALITY & ENVIRONMENT

BMI Redland tiles are manufactured under a Quality Management System approved to ISO 9001: 2015 and an Environmental Management System approved to ISO 14001: 2015, by TÜV NORD CERT GmbH. Information regarding transportation, handling, storage and disposal can be found on the Safety Data Sheets.

#### TECHNICAL SUPPORT

Whether you require telephone advice for your project, an online fixing specification or want to benefit from our complete guaranteed specification service, our expert team are on hand to help ensure success for your roof.

## Plain Tile SYSTEM ACCESSORIES

#### TILES

Standard Tile  
Eaves/Top Tile  
Tile-and-a-half  
Club Tile

#### UNDERLAYS

Spirtech 400 2S  
Divoroll Elite 200 2S  
Divoroll Universal 2S

#### EAVES PRODUCTS

RedVent EavesVent 350-450mm (6m)  
RedVent EavesVent 450-600mm (6m)  
Extension Trays 350-450mm (6m)  
Extension Trays 450-600mm (6m)  
Rapid EavesVent 2-in-1 Tray  
Rapid EavesVent Rafter Roll (6m)  
RedVent 25 Over-Fascia Vent (6m)  
Underlay Support Tray (1.5m)

#### HIP PRODUCTS

Continuous Hip (5m)  
Third Round Hip/Ridge Junction  
Uni-Vent Rapid Ridge/Hip (10m)  
Uni-Vent Rapid Hip Support Tray (1.2m)  
Third Round Hip (without nail holes)  
Third Round Hip (with nail holes)  
Third Round Block-End Hip  
Mortar Bedded Fixing Kit  
Bonnet Hip

Baby Ridge  
Pascal Roll

#### VALLEY PRODUCTS

GRP 125 Valley (3m)  
Dry Valley (High Profile) (3m)  
Valley Tile 35°- 50°

#### ABUTMENT PRODUCTS

Wakaflex Rapid Flashing  
Top Edge Abutment Ventilation Pack (3m)  
Bonding Strip (High Profile) (3m)

#### RIDGE PRODUCTS

DryVent Ridge (1.8m)  
Uni-Vent Rapid Ridge/Hip (10m)  
Continuous Ridge (5m)  
Ridge Vent Terminal  
Ridge Vent Terminal Adaptor  
Flexible Pipe (100 to 100mm)  
Gas Flue Ridge Terminal  
Gas Flue Ridge Terminals Extension Adaptor  
Gas Flue Blanking Plates  
Half Round Ridge  
Half Round Ridge Vent  
DryVent Monoridge (2.7m)  
Half Round Monoridge  
Mortar Bedded Fixing Kit

#### VENTILATION TILES

RedLine Plain Tile Vent  
RedLine Vent Adaptor  
Plain Tile Rapid Roof Vent  
Rapid Roof Vent Adaptor  
Flexible Pipe (100 to 100mm)

#### EXTERNAL VERTICAL ANGLES

External Angle 90° LH  
External Angle 90° RH  
External Angle 135° LH  
External Angle 135° RH

#### FIXING PRODUCTS

Tile Nail (1596)  
Top Tile Clip (100)  
Kro-Clip (50)

**BMI Redland**

**BMI Redland Technical Services:**  
0330 123 4585  
**Customer Service:**  
0370 560 1000

## **WALLS**

EXTERNAL WALLS TO BE cavity walls with facing brickwork.  
BRICK SPECIFICATIONS BELOW:

### **WIENERBERGER TUSCAN RED MULTI WIRECUT FACING BRICK**

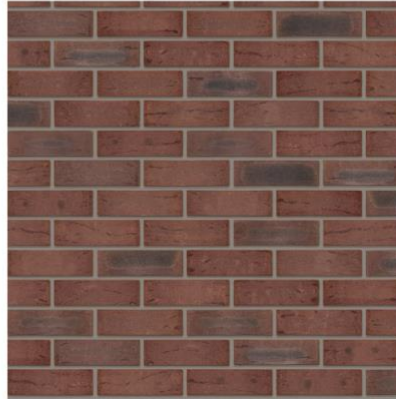


|                      |              |
|----------------------|--------------|
| Quantity in Pack     | 430          |
| Primary Colour       | Red          |
| Depth                | 102.5mm      |
| Height               | 65mm         |
| Length               | 215mm        |
| Durability           | F2           |
| Active Soluble Salts | S2           |
| Water Absorption     | 15%          |
| Compressive Strength | 42 N/mm2     |
| Made From            | Clay         |
| Manufacturer         | Wienerberger |
| Process              | Extruded     |
| Texture              | Light        |
| Brick Type           | Facing       |



# Tuscan Red Multi

| Product Technical Information Sheet |                            |
|-------------------------------------|----------------------------|
| Wienerberger Code                   | 24311350                   |
| Production Plant                    | Hartlebury                 |
| Manufacture                         | Extruded Wirecut           |
| Configuration                       | Vertically perforated unit |
| Colour                              | Red                        |
| Appearance                          | Rolled                     |
| Work Size (mm)                      | 215 x 102.5 x 65           |
| Pack Quantity                       | 430                        |
| Individual Dry Brick Weight (kg)    | 1.66                       |



| Technical Properties to BS EN 771-1                                                                      |               |
|----------------------------------------------------------------------------------------------------------|---------------|
| Size Tolerance (Mean/Range)                                                                              | T2/R1         |
| Percentage of Voids / Volume of Frogs                                                                    | 41            |
| Gross Dry Density (kg/m <sup>3</sup> / Tolerance)                                                        | 1150(D1)      |
| Compressive Strength (N/mm <sup>2</sup> )                                                                | 30            |
| Thermal Conductivity (W/(m·K))<br><small>λ<sub>10, dry, unit</sub> Value (EN 1745 tabulated: S1)</small> | P=90% 0.6     |
| Durability Designation                                                                                   | F2            |
| Water Absorption (%)                                                                                     | 15            |
| Initial Rate of Water Absorption<br>(kg/(m <sup>2</sup> ·min))                                           | Min 0.3 Max 2 |
| Active Soluble Salts                                                                                     | S2            |
| Reaction to Fire                                                                                         | A1            |

Technical data correct at time of issue. Individual dry brick weights can vary and are for guidance only. Any questions regarding this data should be referred to the wienerberger Technical Department. Due to the limitations of screen and print colour representation of product images it is advised that brick samples are viewed prior to ordering.

**e.** Wall and Landscaping enquiries

**t.** 0161 491 8200

**w.** [wienerberger.co.uk](http://wienerberger.co.uk)

# WINDOWS AND DOORS

## Standard PVCu doors and windows, White colour, Rehau Total 70C profile

### REHAU TOTAL70

All the benefits without compromise

Our 70mm window and door system offers a range of styles crafted using PVCu which guarantees maximum energy efficiency and performance for your investment.

There are two aesthetic options to choose from in our investment window range. REHAU TOTAL70 is our standard system, REHAU TOTAL70s our fully clad system. The range of styles extends to REHAU TOTAL70s which is a fully reversible window system.



#### Energy efficiency

For modern thermal properties and to achieve greater energy savings, REHAU TOTAL70 window systems easily achieve an A++ rating, the highest possible. Window Energy Rating (WER) for thermal efficiency. The more efficient your home, the more you save.

TOTAL70 windows and doors will comply with and exceed Part L Building Regulations\* for windows this requirement is an overall U value of 1.8 W/m<sup>2</sup>K and for doors 1.8 W/m<sup>2</sup>K. TOTAL70 can achieve a value of 1.8 W/m<sup>2</sup>K using triple glazed Argon sealed units. This means that the system is suitable for Passivhaus standard – currently the most energy efficient specification for a building throughout Europe.

#### Noise reduction

Double & triple glazed sealed units considerably reduce outdoor noise levels, allowing you to relax in the peace and quiet of your home.

#### Safety and security

REHAU TOTAL70 window and door systems can achieve the British Standard BS7243 and PAS24 security standards.

#### Low maintenance

Our systems contain a unique compound with a smooth glass finish – guaranteeing they retain their pristine appearance. It also means they will never warp, rot or need painting.



### REHAU TOTAL70

Colour and choice for your home

PVCu windows and doors don't have to be white – choosing REHAU for your home opens up a world of colour and choice which will complement your style of property perfectly.



If you like the look of traditional painted windows but want the benefits of PVCu and double or triple glazing then you'll love REHAU's fantastic range of full laminate range.

With our laminate PVCu the colour and finish options are vast complementing both the exterior and interior of your home. You can choose one colour and finish for the outside and a totally different one for the inside. Over 20 laminate options include an attractive range of woodgrain effect finishes all contained in our easy to use search and split to four simple collections to help you choose the look which matches your home.

All laminate finishes carry extensive guarantees and are well proven for high performance and longevity in all types of weather conditions and all areas, without colour deterioration or fade.

Whatever you choose you can be assured that your windows, doors or conservatory will beautifully enhance your home for years to come.



#### The Collections



##### Contemporary Collection

Building on the growing popularity PVCu Windows, which bring the minimalist look of aluminium windows, The Contemporary Collection includes a selection of blacks and greys.



##### Timeless Collection

A great choice for period properties, The Timeless Collection includes Curved Crown, Charnell Green and Windsor.



##### Traditional Collection

Offering options for those looking a more traditional timber finish including Golden Oak, Mahogany and Rosewood.



##### Statement Collection

Some of the bolder colours within the REHAU range, colours include reds, blues and greens for a more daring look.

\*Some colour options may have external and internal colour match with your supplier.

## REHAU TOTAL70

### System technology

All products accommodate glazing from 4mm to 44mm in either double or triple glazing and offer an enhanced appearance as well as superior fabrication and performance.

#### Easy glazing

REHAU's single-leg glazing beads and retention detail guarantees on-site glazing is easy and secure when fitted.

#### Integral gaskets

REHAU TOTAL70C & REHAU TOTAL70S profiles are supplied with gaskets already integrated into the profile.

#### Improved drainage path

Our improved drainage path allows water to drain more efficiently.

#### Ancillary profiles

A large range of ancillary profiles including sills, angled head drips, square bay poles, couplers and frame extensions, are compatible across the entire REHAU TOTAL70 range.

#### Surface finish

REHAU is renowned for its quality, demonstrated with the gloss surface finish, that provides a long-lasting appearance with little or no maintenance.

#### Multi-chamber profiles

The REHAU TOTAL70 range includes profiles with 3, 5 and 6 chambers for improved thermal efficiency without compromising on structural capability.

#### Hardware fixed into steel

If required, the hardware used on REHAU TOTAL70 profiles can be fixed into the steel reinforcement on both sash and frame. This allows for improved technical performance and superior security levels.

#### Positive friction-stay location

To reduce the strain on screws and hinges, positive friction-stay location is added for improved performance.

#### Larger reinforcement chamber

To allow additional strength/rigidity when necessary, a larger reinforcement chamber enables a range of galvanised steels to be inserted for optimum performance.

#### Low threshold

REHAU TOTAL70 doors also offer low thresholds specifically for wheelchair access, complying with Building Regulations.

More information for fabricators and installers can be found in the REHAU TOTAL70 System Description (706.600EN/625).

## Rear Bifold Doors –Aluminium

## **FASCIA GUTTERING AND BARGEBOARDS**

White UPVC

