

Timelessly aesthetic | **Ergoldsbacher plain tiles**
and **Ergoldsbacher sintered plain tiles**



Classic clay roof tiles

The plain tile – a tried-and-tested roof tile which has been in use for centuries and creates a serene, cohesive appearance. Thanks to the large number of different designs and the option of laying the tiles in either a double or crown formation, plain tiles allow what is probably the most comprehensive range of roof formats. The tiles allow roofs of any type to be laid without the need for additional materials. The uniformity of the material increases the aesthetic effect. It is also easy to create detailed roof features. The plain tiles can be fired in individual fireproof cases at a temperature of 1,200° Celsius to produce sintered plain tiles. These offer all the benefits of a genuine clinker.

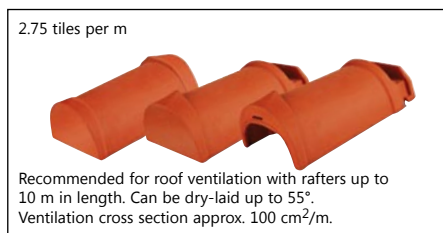
Additional measures required when laying Ergoldsbacher plain tiles in accordance with basic DDH regulations, recommended roof pitch: 30°, minimum roof pitch: 18°.

Additional measures required when laying Ergoldsbacher sintered plain tiles in accordance with basic DDH regulations, recommended roof pitch: 30°, minimum roof pitch: 10°.

Increased requirements		
Use of the attic storey, particularly for residential purposes	Construction * Special roof designs (e.g. butterfly roofs) * Long rafters * Complex roof structures (e.g. with dormers, roof channels etc.)	Climatic conditions * Exposed location * Extreme sites * Areas with heavy snow * Windy areas * Particular weather conditions

Plain tiles Roof pitch in degrees (rafter pitch)	Sintered plain tiles Roof pitch in degrees (rafter pitch)	No additional increased requirements	One additional increased requirement	Two additional increased requirements	Three additional increased requirements
≥ 30°	≥ 30°		Roofing membrane	Roofing membrane	Overlapping or interlocking underlay
≥ 24°	≥ 24°	Roofing membrane	Roofing membrane	Overlapping or interlocking underlay	Welded or glued underlay
≥ 20°	≥ 20°	Rainproof roofing membrane	Rainproof roofing membrane	Rainproof roofing membrane	Waterproof roofing membrane
≥ 18°	≥ 10°	Rainproof roofing membrane	Waterproof roofing membrane	Waterproof roofing membrane	Waterproof roofing membrane

The additional measures described in the table are minimum requirements. Where the requirements are particularly high and/or there are special conditions on site, a more effective additional measure must be used (see data sheet for roofing membranes, table 1, DDH regulations). More effective additional measures can always be used instead of the minimum measures.



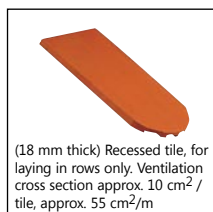
Ridge end tile No. 19 Ridge starting tile No. 19 Ridge tile No. 19



Ridge tile No. 1



Ridge tile No. 2



Recessed plain ventilation tile



Flat plain ventilation tile



Aluminium plain tile sanitary ventilator



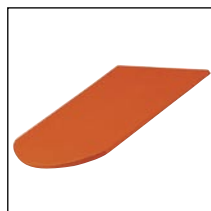
Eaves plate



1/2 plain tile (separable)



3/4 plain tile



11/4 plain tile



Eaves plate



Verge tile left



1/2 verge tile left



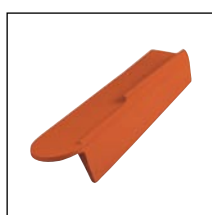
1/2 verge tile right



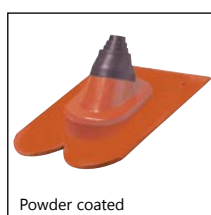
Verge tile right



Large 1/2 verge tile left



Large 1/2 verge tile right



Aluminium antenna cap



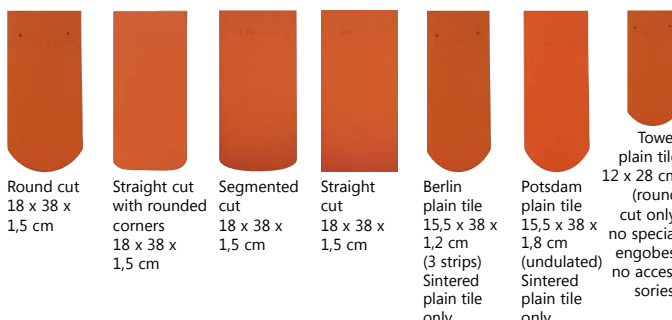
Aluminium antenna cap

Colours: The Ergoldsbacher plain tiles are available in natural red, red engobed (round-cut tiles only), copper brown engobed, brazil brown engobed (round-cut tiles only), anthracite engobed and the following special engobes: maroon (round-cut tiles only), diamond black (round-cut tiles only), royal green (round-cut tiles only).

The Ergoldsbacher sintered plain tile is available in sintered red and sienna.

True reproduction of colours cannot be guaranteed in print!

Special cuts and formats for larger roofs available on request!



The following accessories are also available:

Metal roof plate for plain tiles (galvanised, copper) · Acrylic-glass plain tiles · Skylights (colour-coated, red, red/grey, 45/45 cm) · Skylights (copper, 45/45 cm) · Storm clips (No. 415 for lagged roofs, contents: 500) · Storm clips (No. 415 c for non-lagged roofs, contents: 500) · Ridge clips for ridges 1, 2, 19 · Eaves protection strip (plastic, 10 cm high, in 5 m rolls) · Erlus sanitary ventilator (Ø 125 mm, aluminium, complete with 70 cm pipe, able to withstand heavy rain) · Clay antenna outlet (complete) · Hip caps · Cold engobe (400 ml can) · aluminium end plates · Erlus aluminium step system · Erlus aluminium walkway system · Erlus aluminium snow guard system · Erlus aluminium spar holder system · Aluminium ventilation strip for ridges and hips

Like all Ergoldsbacher clay roof tiles, the **Ergoldsbacher plain tiles** and **Ergoldsbacher sintered plain tiles** exceed the quality requirements set out in the DIN EN 1304 roof-tile norm. The Ergoldsbacher sintered plain tiles even exceed the requirements of DIN 105, part 4, for ceramic clinkers.

Ergoldsbacher roof tiles are natural building materials through and through. This is also evident from the fact that the individual tiles display slight variations in colour.

Given that the regulations and roofing traditions vary throughout Europe, our manufacturer's instructions should be given priority when you lay the tiles.

Additional measures to protect against wind suction should generally be carried out in accordance with the regulations that apply in each case. The standard tiles (round cut) feature two screw holes for this purpose.

The sizes and weights given are nominal values. Owing to changes in the raw materials and varying shrinkage characteristics, it is not always possible to prevent deviations. It is therefore advisable to check the dimensions of the roof before laying the tiles.

Technical data:

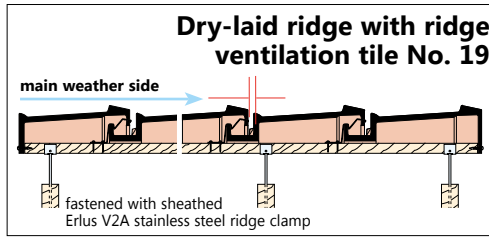
Size:	approx. 18.0 x 38.0 cm ± 2%
Cover length:	See "lathing" table
Cover width:	approx. 18.0 cm ± 2%
Thickness:	approx. 1.5 cm
Lathing:	Double formation from 30° LW 14.5 - 16.5 cm Crown formation from 30° LW 29.0 - 33.0 cm
Quantity per m ² :	Double formation 33.7 - 44.5 tiles Crown formation 33.7 - 44.5 tiles
Quantity depends on cover and format	
Weight per tile:	approx. 2.0 kg
Weight per m ² incl. battens in accordance with DIN 1055:	Double formation: approx. 75 kg Crown formation: approx. 75 kg

For details of special designs, e.g. segment cut, straight cut, gothic cut, church plain tiles (approx. 1.8 - 2.4 cm thick), roughened finishes, undulated tiles, brushed finishes etc., please see the price list.

The CAD drawings are produced to scale. The scale shown here is 1:10. This brochure was last updated in August 2008.

Occasional imperfections are an inherent part of the production/transportation process and do not affect the quality of the roof tiles.

We reserve the right to make changes to the models and colours available!



Erlus roof walkway system

made of rustproof steel/aluminium tested accd. to DIN EN 516 - no support laths required -
Laid in accordance with DIN 18160-5 see Table A

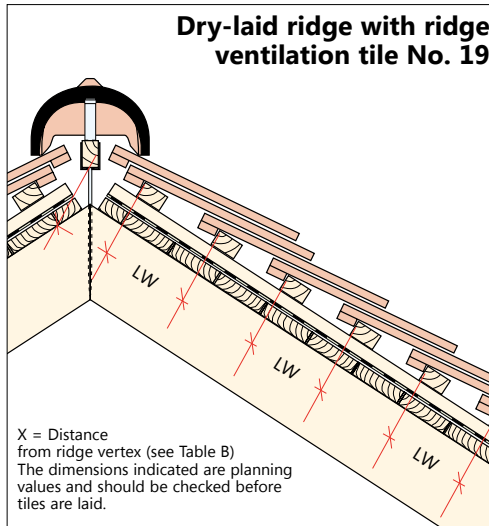
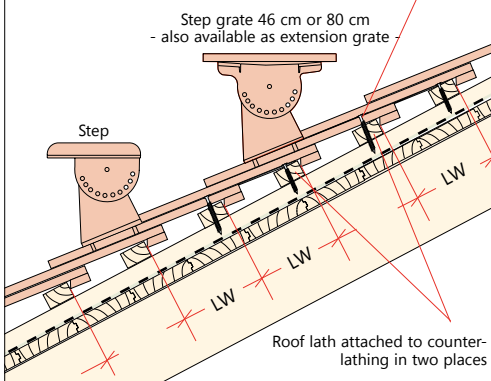
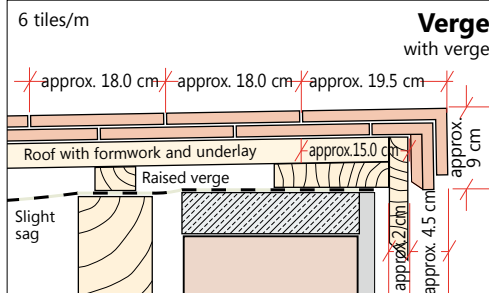
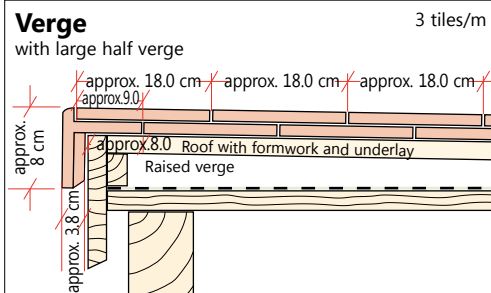


Table A

Laying in accordance with DIN 18160-5	≤ 45°	> 45°
Step areas (grates 46 cm)	Every 5th row of tiles with an LW of 14.5 cm Every 4th row of tiles with an LW of 16.0 cm or more	Every 3rd row of tiles
Individ. step (step)	Every 2nd row of tiles	Every 2nd row of tiles

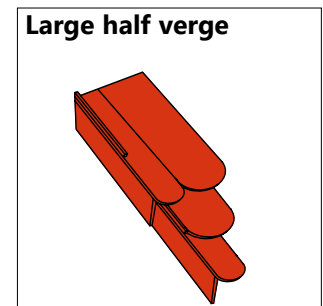
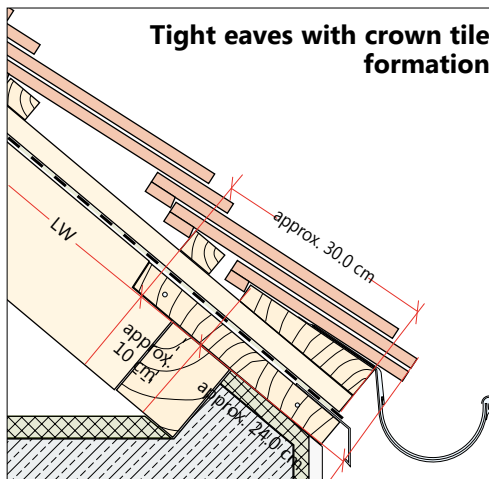
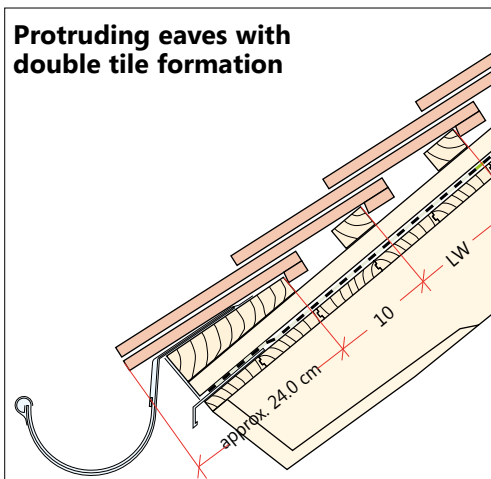
Table B

Ridge tile No. 1 (cemented)		Ridge tile No. 2 (dry-laid)	
25°	-	25°	-
30°	65	30°	90
35°	60	35°	90
40°	55	40°	85
45°	45	45°	80
50°	40	50°	80
55°	-	55°	-
60°	-	60°	-



Ridge ventilation tile No. 19			
Distance to 1st lath from ridge vertex		Overall height including standing lath 30 x 50 mm	
25°	90	25°	50
30°	90	30°	45
35°	90	35°	40
40°	95	40°	35
45°	100	45°	30
50°	100	50°	20
55°	100	55°	15
60°	105	60°	Cemented

The dimensions given are approximate values and should be checked before the tiles are laid.



To help with planning, you can download all the drawings as CAD drawings from the Internet at www.erlus.com.

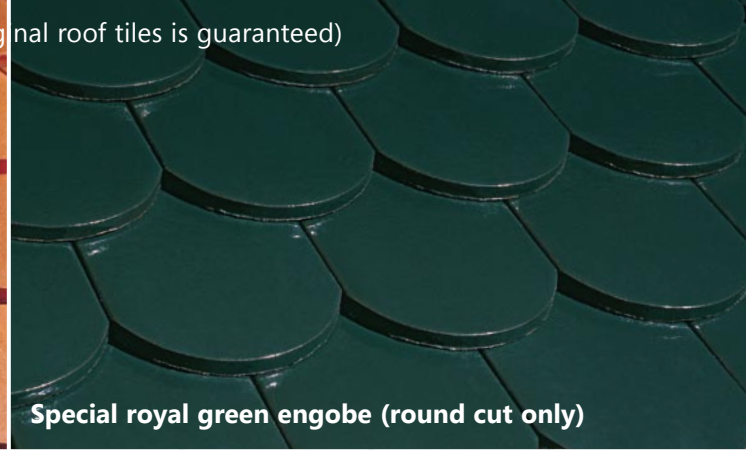
Tiles required per m²: between 33.7 and 44.5 tiles/m² depending on roof pitch and tile cut

Roof pitch	Minimum overlap	LW, double formation	LW, crown formation
< 30°	9.0 cm	14.5 cm	29.0 cm
> 30° - ≤ 35°	9.0 cm	14.5 cm	29.0 cm
> 35° - ≤ 40°	8.0 cm	15.0 cm	30.0 cm
> 40° - ≤ 45°	7.0 cm	15.5 cm	31.0 cm
> 45° - ≤ 60°	6.0 cm	16.0 cm	32.0 cm
> 60°	5.0 cm	16.5 cm	33.0 cm

(Only the colour of the original roof tiles is guaranteed)



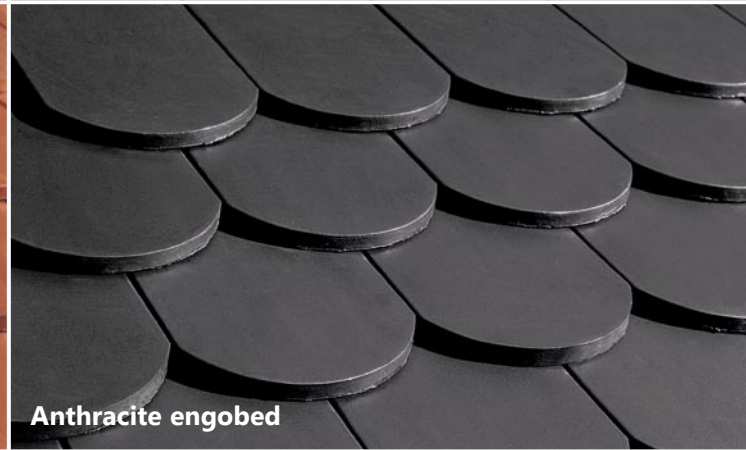
Natural red



Special royal green engobe (round cut only)



Red engobed (round cut only)



Anthracite engobed



Copper brown engobed



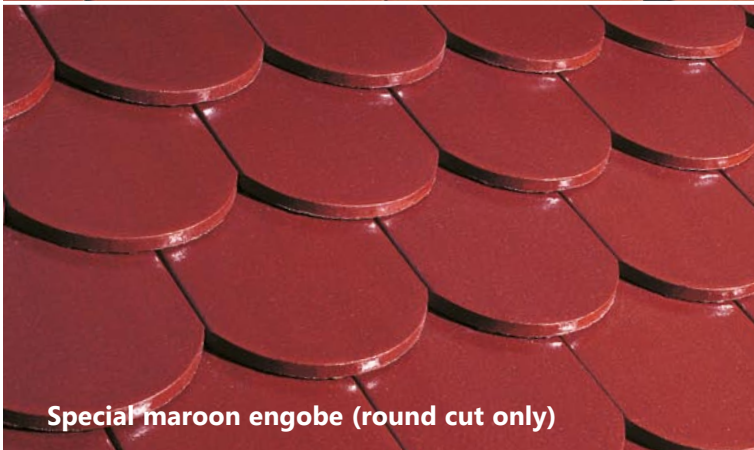
Brazil brown engobed (round cut only)



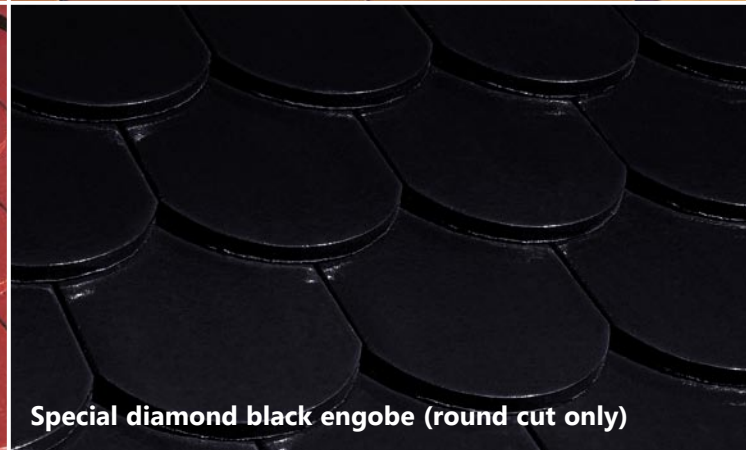
Sintered red



**Sienna (round cut only)
naturally textured appearance thanks to colour shades**



Special maroon engobe (round cut only)



Special diamond black engobe (round cut only)

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