



Ergoldsbacher **Linea**®

Technical Details

PRODUCT SHEET

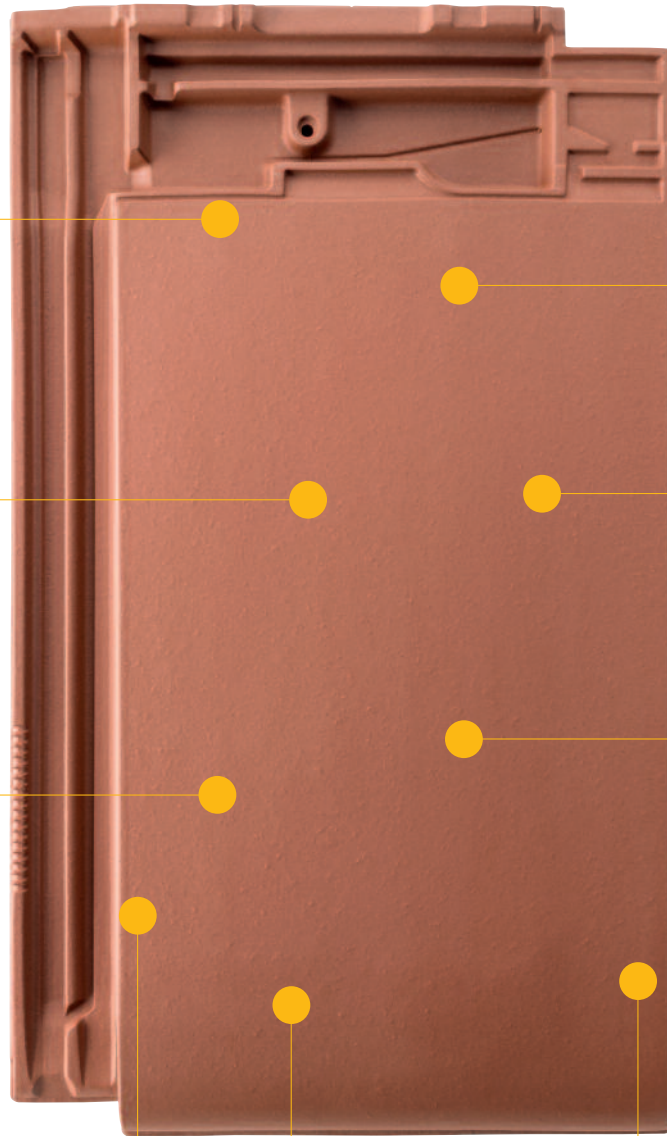
ERLUS 

Quality made in Germany

The Ergoldsbacher Linea®

stands for timeless design - smooth, pure and aesthetic

The Ergoldsbacher Linea® is recognisable by its simple design and the smooth appearance of the roof. Together with the attractive ERLUS accessories, it is the perfect tile for modern architecture. Its properties are also impressive: due to the sintering process at around 1.200 °C it achieves clinker quality. That means that it is specially protected against breakage and aggressive environmental influences.



Gauge class

38,5 cm

models from
the XXL family

Easy to handle

4.4 kg per tile,
bundles of 4

Complete accessories

including aluminium
accessories from one
source

Sintered quality

2 solutions for the verges

Highly stormproof

when laid in a cross
bond pattern

Profitable

approx. 10 pcs./m²,
can also be laid in rows
(standard roof pitch 25°
or 30°)

Flat tile that particularly

guards against rain getting in
due to double interlocking head
and side joints

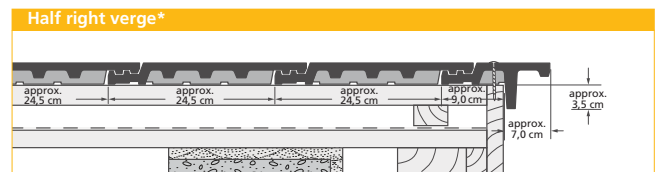
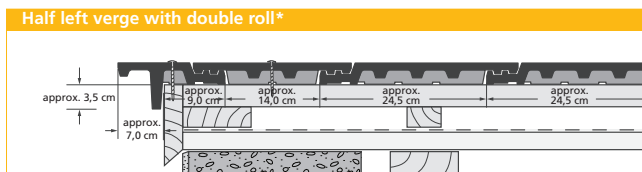
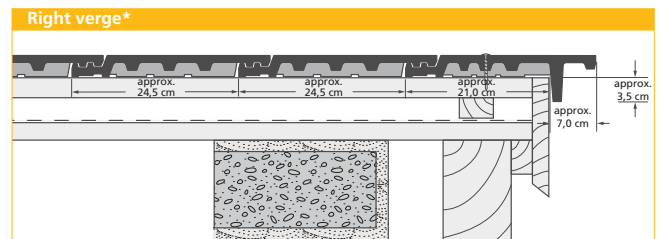
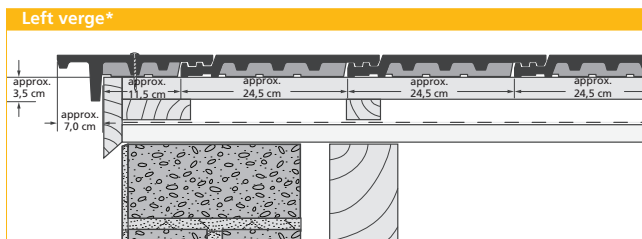
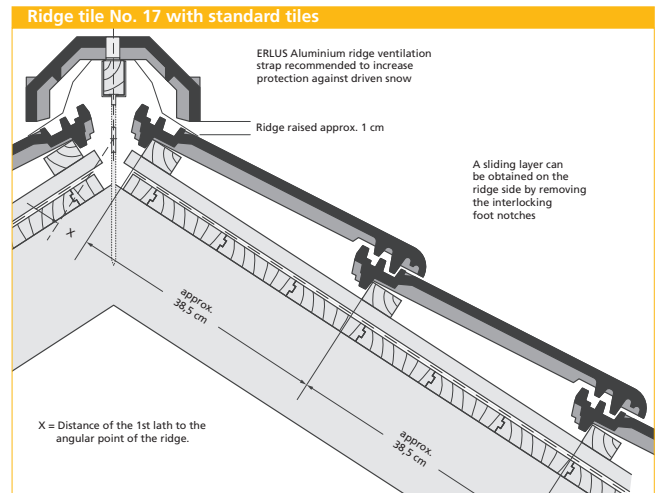
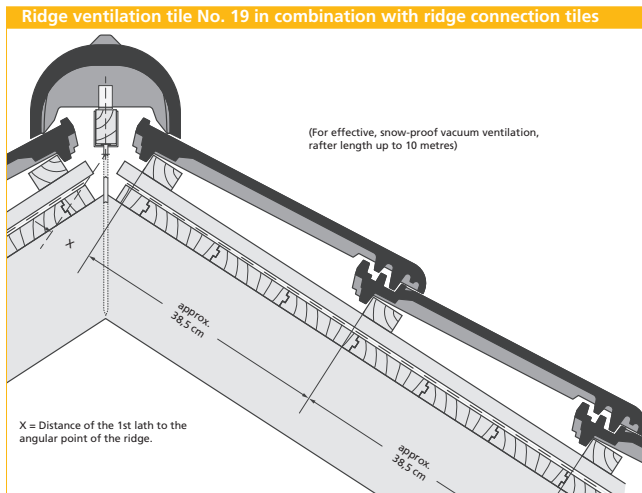
IF DESIGN AWARD winner





Technical data

Size:	approx. 29,0 x 48,5 cm
Gauge:	approx. 38,2 – 38,9 cm
Average cover width:	approx. 24,5 cm
Quantity required per m ² :	approx. 10,5 tiles
Weight per tile:	approx. 4,5 kg
Weight per m ² in accordance with DIN 1055 incl. battens:	approx. 0,55 kN/m ²
Real weight without battens:	approx. 46 kg/m ²
Pallet capacity:	192 tiles
Pallet weight:	approx. 900 kg
Bundle capacity:	4 tiles
Gauge class:	38,5 cm



* The screw hole in the verge on low-pitched roofs should be permanently sealed (e.g. using plumbing screws)

Distance between the 1st lath and the angular point of the ridge

X (distance) in mm	Ridge connection tiles ¹⁾												Standard tiles ²⁾											
Roof pitch in °	10	15	20	25	30	35	40	45	50	55	60	10	15	20	25	30	35	40	45	50	55	60		
Ridge tile No. 17	65	65	65	60	60	55	55	45	–	–	–	55	55	65	60	60	60	70	50	40	–	–		
Ridge ventilation tile No. 17	65	65	65	60	60	60	70	–	–	–	–	55	55	65	60	60	65	70	–	–	–	–		
Ridge ventilation tile No. 19	55	55	65	45	40	40	45	50	–	–	–	55	55	50	50	40	40	40	45	–	–	–		

1) without aluminium ridge ventilation strap 2) aluminium ridge ventilation strap

Assignment of additional measures for the Ergoldsbacher Linea®

According to the Central Association of German Roofers' pamphlet on sub-roofs, sub-coverings and under-bracings, and the basic regulations of the Roofers' Guild, regular roof pitch 25° - when laid in cross pattern, when laid in rows - regular roof pitch 30°, according to the state of technology.

Increased demands due to

Use: of the attic level, especially for residential purposes (residential use equals two increased demands)

Construction: special roof shapes (e.g. butterfly roof), long spar lengths (longer than 10 meters), heavily structured roof shapes (e.g. due to valleys, gables, etc.)

Climate situation: exposed locations, extreme locations, areas with a lot of snow, special weather situations, areas with a lot of wind

Technical equipment: On-roof or in-roof systems, air-conditioning systems, antenna systems, roof access systems, rooflight/skylight systems, snow guard systems, etc.

Classification

Class 1: Waterproof sub-roof (1.1.)

Class 2: Rainproof sub-roof (1.2.)

Class 3: Seam and perforation secured under-bracing (2.1.)

Seam and perforation secured sub-covering (3.1.)

Class 4: Welded or glued sub-covering (2.2.)

Coated under-bracing made of strips of bitumen (2.3.)

Seam-secured sub-covering (3.2.)

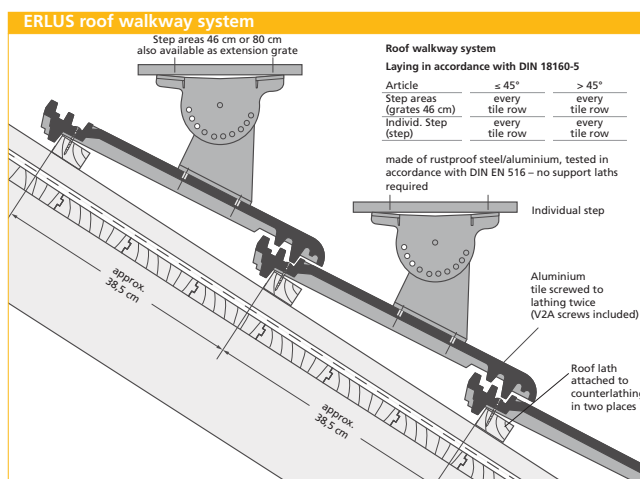
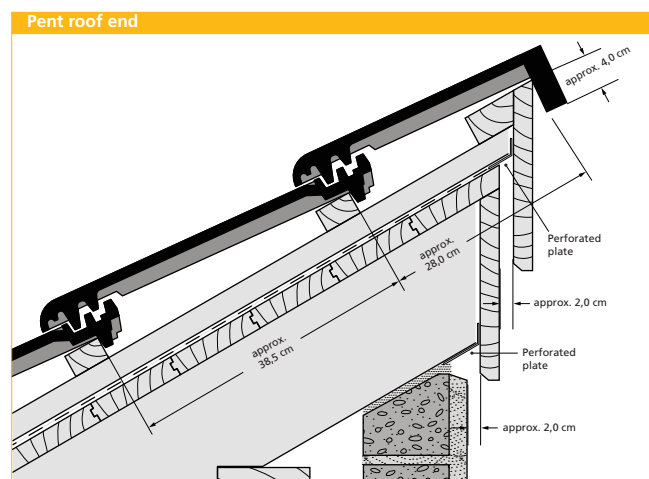
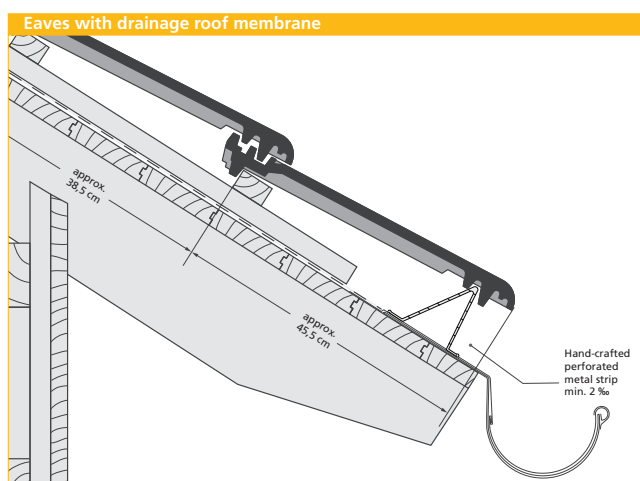
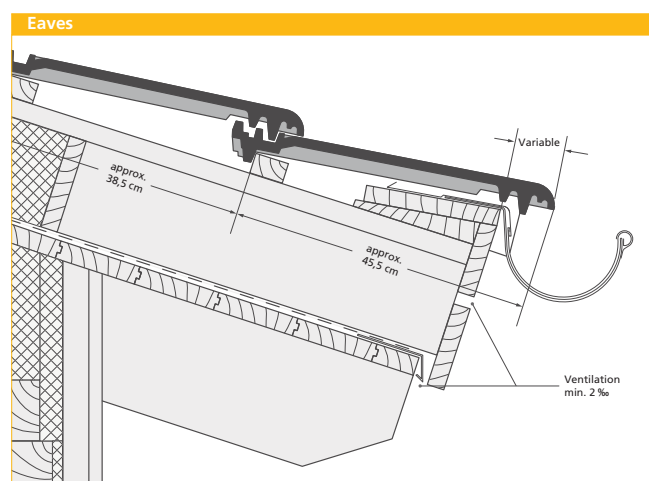
Class 5: Overlapped / tongue in groove sub-covering (2.4.)

Class 6: Under-bracing (3.3.)

Definition of sub-roof's type to use

Roof pitch	No further increased demands*	One further increased demand*	Two further increased demands*	Three further increased demands*
≥ 25°	Class 6	Class 6	Class 5	Class 4
From < 25° to ≥ 21°	Class 4	Class 4	Class 3	Class 3
From < 21° to ≥ 17°	Class 3	Class 3	Class 3	Class 3*
From < 17° to ≥ 13°	Class 2	Class 2	Class 1	Class 1
From < 13° to ≥ 10°	Class 1	Class 1	Class 1	Class 1

* The additional measures listed in the table are minimum measures under consideration of Table 1 in the pamphlet on sub-roofs, sub-coverings and under-bracings. Sub-covering panels are to be assigned according to the classification in the pamphlet on sub-roofs, sub-coverings and under-bracings. Increased demands make up categories according to chapter 1.1.3. Further increased demands can arise out of the weighting within a category according to 1.1.3. For example, climate situations can result in several increased demands. Only permitted if the manufacturer provides proof of the functionality and safety of the products used, including accessories (sealing tapes, sticky tapes, sealing compounds, pre-assembled seam securing, etc.), as part of a deluge test and 24-hour rain test on a roof pitch of 15°. Otherwise, the next class up is to be selected. Any limitations noted by the manufacturer are to be taken into account. See the product data information sheet for instructions regarding protection against perforation. These can be used for classes 3 to 6.



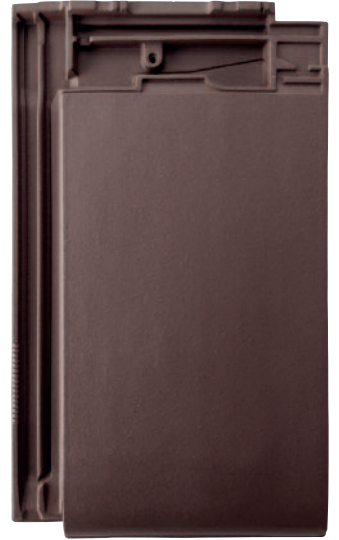
Plans above are not drawings to scale. To help with planning, you can download all the drawings as CAD drawings from the Internet at www.erlus.com. We recommend using an eaves flashing.



Sinter red



Sinter cotto



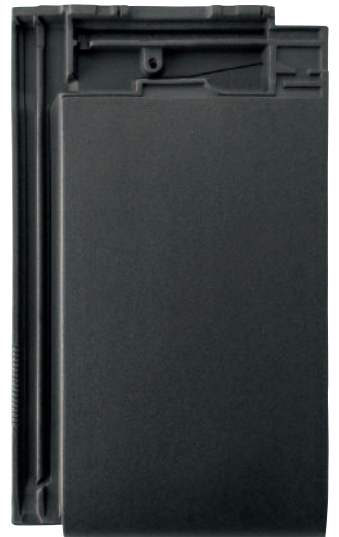
Sinter brown



Sinter grey



Sinter light grey



Sinter black matt

Like all Ergoldsbacher clay roof tiles, the **Ergoldsbacher Linea®** exceeds the quality requirements set out in the DIN EN 1304 roof-tile norm. 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 for wind protection should generally be carried out in accordance with current local regulations.

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.

Occasional imperfections are an inherent part of the production/transportation process and do not affect the quality of the roof tiles. In order to ensure the highest possible level of protection against the rain and wind, we recommend that you lay the Ergoldsbacher Linea® tiles in a "semi-bonded" manner.



Standard tile



Half tile ¹⁾



Verge tile
left



Verge tile
right



Half verge tile
left



Half verge tile
right



Double roll tile ²⁾



Ridge connection tile



Half ridge connection
tile



Ridge connection verge
tile left



Ridge connection verge
tile right



Hip cap



Ridge connection tile
Half verge tile left



Ridge connection tile
Half verge tile right



Pent roof tile



Pent roof verge tile
left



Pent roof verge tile
right



Ventilation tile ³⁾



Ridge tile No. 17



Ridge ventilation tile No. 17 ⁴⁾



Ridge ventilation tile No. 19 ⁴⁾



Aluminium sanitary
ventilator ^{5) 6)}



Aluminium solar outlet ⁶⁾



Aluminium solar panel
holder ⁶⁾



Aluminium aerial ⁶⁾

1) Cover width approx. 12,2 cm
2) Cover width solo approx. 18,5 cm
Cover width approx. 14,0 cm
3) Ventilation cross section 15 cm²
4) Recommended for a fully ceramic roof ventilation
system with rafters up to 10 m in length
5) Ø 125 mm, Ventilation cross section = 122 cm²
6) With basic tile

The following accessories are also available:

- ERLUS Aluminium roof walkway system (coated)
- ERLUS Aluminium snow-guard system (coated)
- ERLUS Ceramic sanitary ventilator DN 125
- Ceramic thermal exhaust gas through tile
- ERLUS Universal storm clips in accordance with DIN EN 14437
- Ridge clips

Please ask for our leaflet for special Erloton® accessories !

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Only the colour of the original roof tiles is guaranteed. True reproduction of colours cannot be guaranteed in print!

This brochure is a translation from the German language. Since differences may occur due to language-based interpretation, we explicitly indicate that only the original German content is binding. When in doubt, the DIN EN 1304 regulation shall always apply.

This brochure was last updated in July 2016.

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