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LARGE AREAS



Technical Details

ERLUS^e

Ergoldsbacher KARAT® XXI

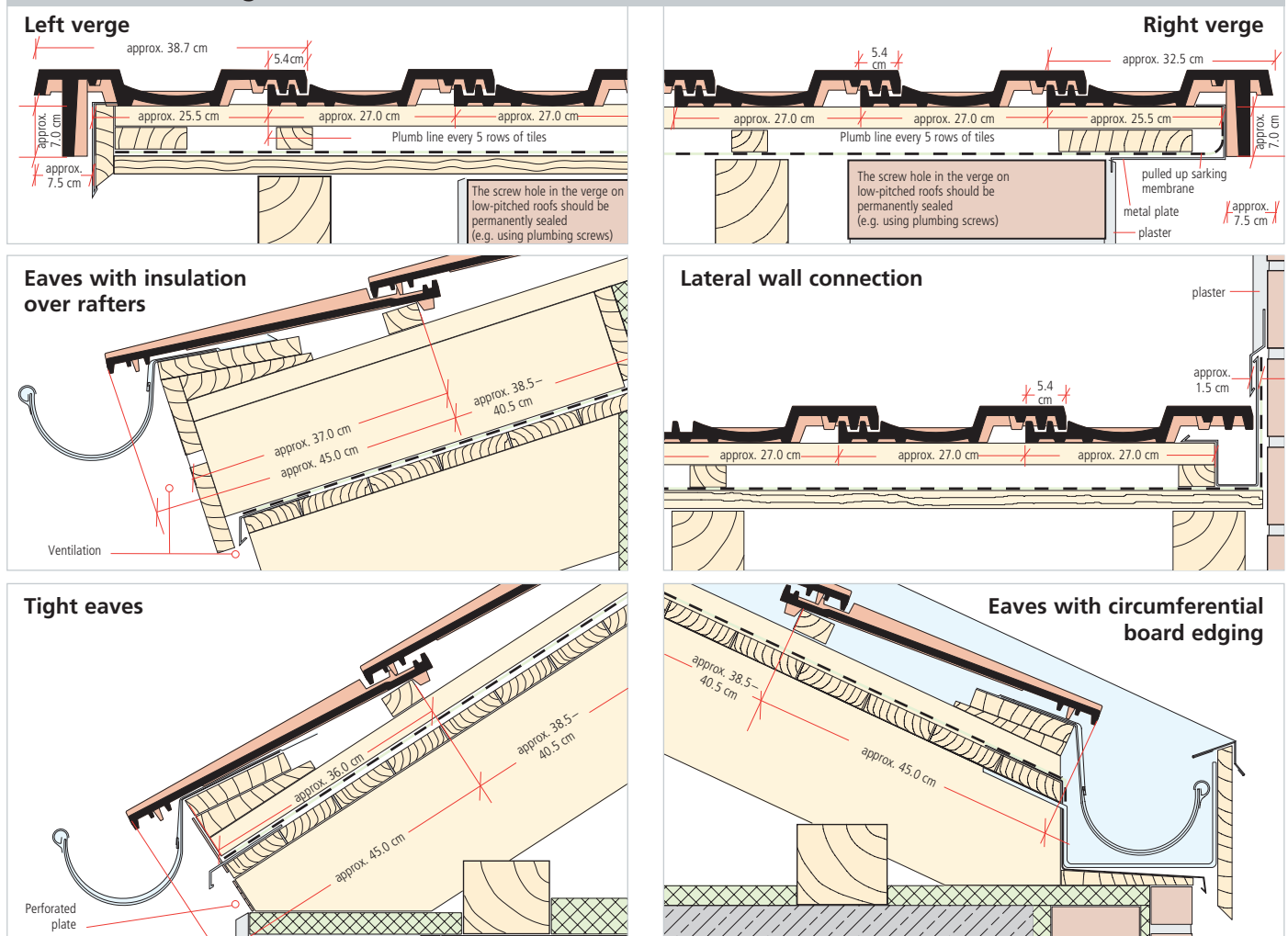
Assignment of additional measures for the Ergoldsbacher Karat® XXL¹⁾

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 20°, minimum roof pitch 10°, according to the state of technology.

Increased demands due to				
Use		Construction		Climate situation
<ul style="list-style-type: none"> ■ of the attic level, especially for residential purposes (residential use equals two increased demands) 		<ul style="list-style-type: none"> ■ Special roof shapes (e.g. butterfly roof) ■ Long spar lengths (longer than for normal single-family dwellings) ■ Heavily structured roof shapes (e.g. due to valleys, gables, etc.) 		<ul style="list-style-type: none"> ■ Exposed locations ■ Extreme locations ■ Areas with a lot of snow ■ Special weather situations ■ Areas with a lot of wind
Roof pitch	No further increased demands ²⁾	One further increased demand ²⁾	Two further increased demands ²⁾	Three further increased demands ²⁾
≥ 20°	class 6 3.3. under-bracing (USB-A)	class 6 3.3. under-bracing (USB-A)	class 5 2.4. overlapped / tongue in groove sub-covering (UDB-A, USB-A)	class 4 2.2. welded or glued sub-covering 2.3. coated under-bracing made of strips of bitumen 3.2. seam-secured sub-covering (UDB-A, USB-A)
From < 20° to ≥ 16°	class 4 2.2. welded or glued sub-covering 2.3. coated under-bracing made of strips of bitumen 3.2. seam-secured sub-covering (UDB-A, USB-A)	class 4 2.2. welded or glued sub-covering 2.3. coated under-bracing made of strips of bitumen 3.2. seam-secured sub-covering (UDB-A, USB-A)	class 3 2.1. seam and perforation secured under-bracing 3.1. seam and perforation secured sub-covering (UDB-A, USB-A)	class 3 2.1. seam and perforation secured under-bracing 3.1. seam and perforation secured sub-covering (UDB-A, USB-A)
From < 16° to ≥ 12°	class 3 2.1. seam and perforation secured under-bracing 3.1. seam and perforation secured sub-covering (UDB-A, USB-A)	class 3 2.1. seam and perforation secured under-bracing 3.1. seam and perforation secured sub-covering (UDB-A, USB-A)	class 3 2.1. seam and perforation secured under-bracing 3.1. seam and perforation secured sub-covering (UDB-A, USB-A)	class 3 ³⁾ 2.1. seam and perforation secured under-bracing 3.1. seam and perforation secured sub-covering (UDB-A, USB-A)
From < 12° to ≥ 10°	class 2 1.2. Rainproof sub-roof	class 2 1.2. Rainproof sub-roof	class 1 1.1. Waterproof sub-roof	class 1 1.1. Waterproof sub-roof

- 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.
- 2) 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.
- 3) Only permitted if proof is brought regarding functionality and safety of the products used, including accessories (sealing tapes, sticky tapes, sealing compounds, pre-assembled seam securing, etc.), as carried out in a severe rain test. Otherwise, the next class up is to be selected.

Technical drawings



The CAD drawings are produced to scale.

We recommend using an eaves flashing. To help with planning, you can download all the drawings as CAD drawings from the Internet at www.erlus.com.

Product range



0312/15WA/pip/KARATXXL_engl./1_4

As a genuine clay roof tile, the **Ergoldsbacher Karat® XXL** is a natural building material through and through. This is also evident from the fact that the individual tiles display slight variations in colour.

The fully ceramic ridge ventilation tile (F 17 Lü) allows highly effective roof ventilation. Ergoldsbacher Karat® XXL tiles easily exceed the quality requirements set out in the DIN EN 1304 roof-tile norm. Additional measures (e.g. the laying of roofing membranes) should be carried out in accordance with the current regulations concerning tiled roofs. Given that the regulations and roofing traditions vary throughout Europe, it is important to observe the manufacturer's instructions. Additional measures to protect against wind suction should generally be carried out in accordance with the regulations that apply in each case.

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.

The following non-ceramic accessories are also available:

Storm clips · ERLUS aluminium roof walkway system (powder-coated) · ERLUS aluminium snow-guard system (powder-coated) · ERLUS aluminium antenna outlet tile etc.

Please ask for our special folder for accessories!

Only the colour of the original roof tiles is guaranteed. True reproduction of colours cannot be guaranteed in print! **This brochure was last updated in december 2011.**

The following 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.

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