



**RANDERS** **tegl** + **LAUMANS**

THE TIMELESS REFORM ROOF TILE

**LAUMANS**  
**RHEINLAND VARIABEL**





**MICHAEL NEUMANN**

Roof tile production

„We at Laumans have a matching tile for every roof. In addition to a large selection on models and colours we also produce order-related products for our customers. It feels good to inspire the customer with creative, individual solutions.“

# THE ADAPTABLE CLASSIC FOR TIMELESS ROOFS – LAUMANS RHEINLAND VARIABLEL



The clay roof tile LAUMANS RHEINLAND VARIABLEL is a true classic with enduring values: outstanding design and functionally unsurpassed. Continuous product improvements and an ongoing future-oriented steady development in production processes, have made this roof tile one of the most popular models on Germany's roofs.



#### **NATURAL & SUSTAINABLE**

With roof tiles from Randers Tegl Laumans, you are choosing the natural building material clay, which we shape, fire and refine into roof tiles in an ecologically optimised manufacturing process. The environmentally friendly premium-quality tiles are also a sustainable choice of material due to their long service life and natural ageing process, they are also a sustainable choice of material. Find out more about our climate protection activities.



# LAUMANS RHEINLAND VARIABEL

THE CLASSIC, TIMELESS REFORM ROOF TILE

**Design:** modern, functional design with high adaptability

**Surface effect:** objective, discreet and calmly structured thanks to a gentle hollow

**Technology:** double interlocking joint for increased rain protection even at low roof pitch, variable covering length for quick and easy mounting

**Application:** perfect for visually reduced, modern roofing of detached and two-family houses. Very easy to combine with other roofing materials

**ORDER ROOF TILE SAMPLES:**  
[LAUMANS.DE/EN/ORDER-SAMPLES/](https://www.laumans.de/en/order-samples/)





# UNIQUE SURFACES AND EXCLUSIVE COLOURS

## INDIVIDUAL AND CREATIVE ROOF DESIGN

**NATURAL FIRED** – Naturally matt surface  
The most original form of colouring which solid colours the entire roof tile body.

**NATURAL ENGOBE** – Matt surface  
Clay suspension of natural minerals which is poured over the roof tile before firing.

**SINTER-ENGOBE** – Silky matt surface  
Engobe refined by the addition of glass bodies.

### 30 YEARS WARRANTY ON ALL ROOF TILE PRODUCTS

First-class natural raw materials, groundbreaking production processes and comprehensive external and internal quality control ensure the consistently high quality of our roof tiles.



## 40% MORE COLOUR – 100% MORE ENTHUSIASM

UNRIVALED LAUMANS COLOUR APPLICATION TECHNOLOGY.  
Overpour instead of spraying or spinning

Up to 40 % higher thicknesses of coloured clay sludges for intense and consistent colours

Uniquely defined, lively colours for an exclusive and inimitable naturalness

Noticeably smoother roof tile surfaces for a perfect look and dirt-repellent effect

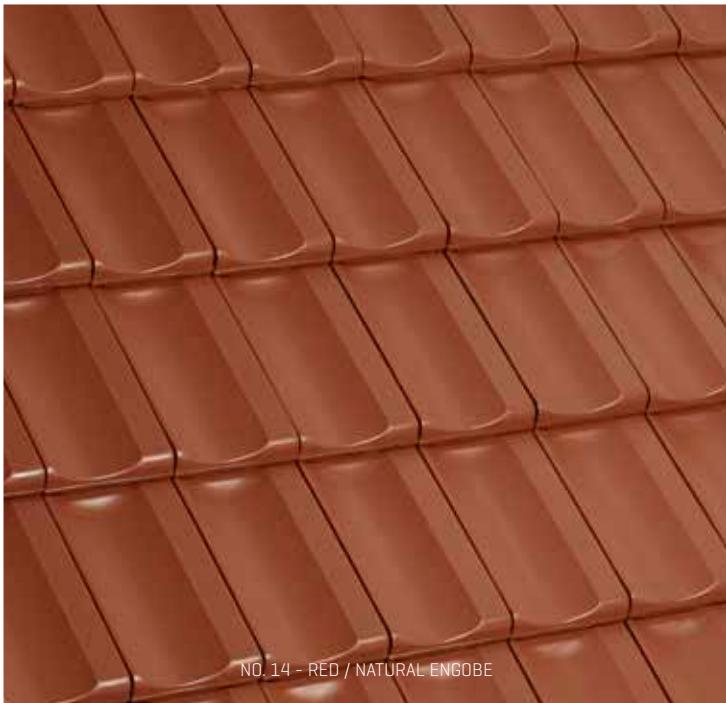
Extremely hard surfaces for protection against mechanical and environmental influences



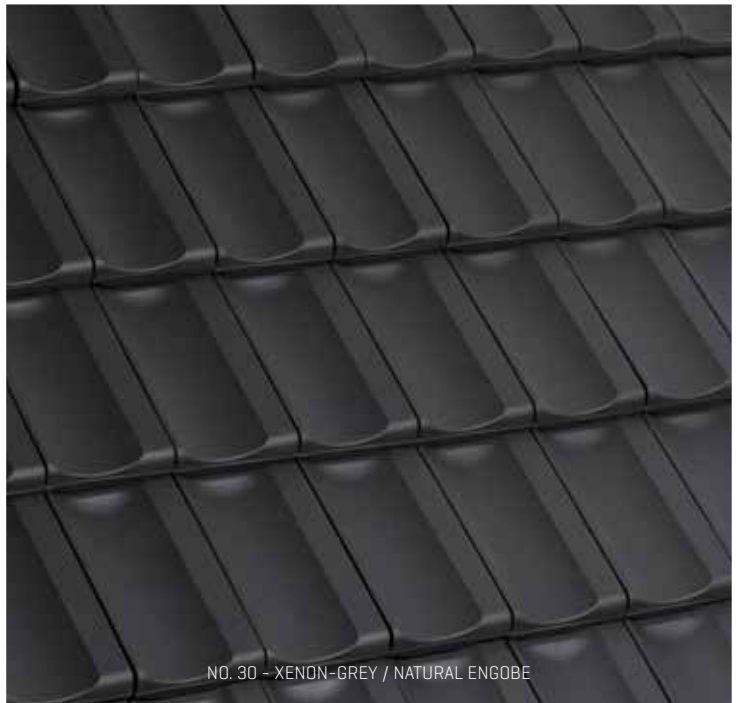
NO. 11 - NATURAL RED / NATURAL FIRED



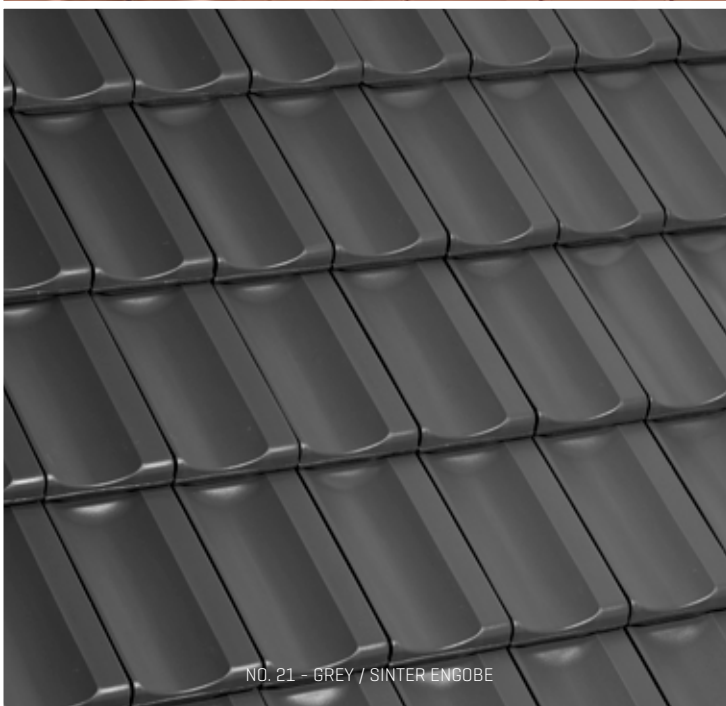
NO. 12 - ANTIQUE / NATURAL ENGOBE



NO. 14 - RED / NATURAL ENGOBE



NO. 30 - XENON-GREY / NATURAL ENGOBE



NO. 21 - GREY / SINTER ENGOBE

## A SIGN OF QUALITY



Our innovative production method, which fires the tiles upside down to save space, increases energy efficiency and ensures that colour only reaches where it is needed. Uncoloured fold areas disappear after covering by overlapping of the surrounding tiles. This way you can save resources and make roofs sustainable.















# LAUMANS ROOF TILE SYSTEM

Laumans recommends the use of accessories and parts made of clay. This results in a system called the all-ceramic roof. A unit that is unbeatable in shape and function, which defies all environmental influences and does not show any material fatigue even after decades. You will receive the accessories specially tailored to the roof tile model in every available colour and surface.

## WELL-THOUGHT-OUT IN EVERY DETAIL

Accessories are required for almost all functional and detail areas of a roof. These products are available upon request in the chosen tile colour. In addition to system accessories for fastening and roof penetration, there are additions to the edge areas of a roof at ridge and at the lateral end. Roof inspection systems and snow guard systems are made of other materials for structural or safety reasons. In any case, Laumans has the right, technically correct accessories for your roof tile model. Optionally suitable in the tile colours you choose.

## INDIVIDUAL ORNAMENTS MADE OF CLAY

The extensive Laumans range of moulded parts is complemented by order-related production. Thus, for example, the individual custom-made order of shed roof tiles in the customer order is possible.

## MATCHING ORNAMENTS MADE OF CLAY

Even our accessories made of clay, such as sleepwalker, rooster or eagle, are optimally matched in shape, colour and surface to the selected roof tile.

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## ADVANTAGE: ROOF TILE SYSTEM

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- Extensive system accessories for the all-ceramic roof
- Specially designed for the tile model in shape and colour
- Without material fatigue for extremely long durability
- Dimensionally accurate and fit for simple, fast processing
- Order-related production for individual building project
- Supplementary roof decoration in model specific colours and finishes
- Supplementary non-ceramic accessory for special functional areas

# ACCESSORIES MADE OF CLAY. FOR PERFECT ROOFS.

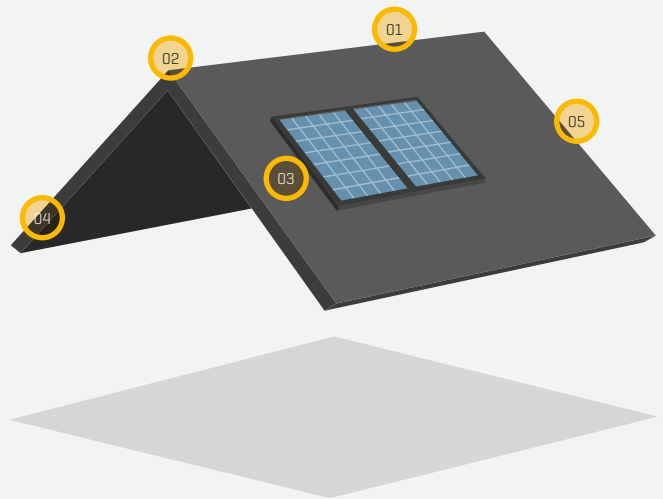
Only the all-ceramic roof, from the eaves to the ridge, guarantees the unmistakable overall performance of a Laumans clay tile roof. One in shape and function unbeatable unit that defies all environmental influences and does not show material fatigue even after decades. Available in all available colours and finishes.

## OTHER ACCESSORIES

We supply various roof accessories, such as snow chains, runners, and safety step pans for static or safety reasons, in a material combination of metal and / or plastic. These products are available upon request in the chosen roof tile colour.

## ORNAMENTS MADE OF CLAY

Make your roof even more individual with ornaments made of clay. Whether rooster, sleepwalker or cat, your ideas have no limits. Talk to your specialist about the many possibilities.



01

### RIDGE TILE

Perfect finishing tile for secure coverage of opposite roof surfaces on the ridge and hip.



02

### ROOF RIDGE ENDER

Elegant ridge formation as a starting or ending tile.



03

### SOLAR CONNECTION

Indispensable accessory tile for solar systems for penetration of the connection cable and pipework



04

### VERGE TILE

#### INTERIOR BAULK

Visually compact finish to the side roof plane and protection for the roof connection against driving rain. Available for left and right sides.



05

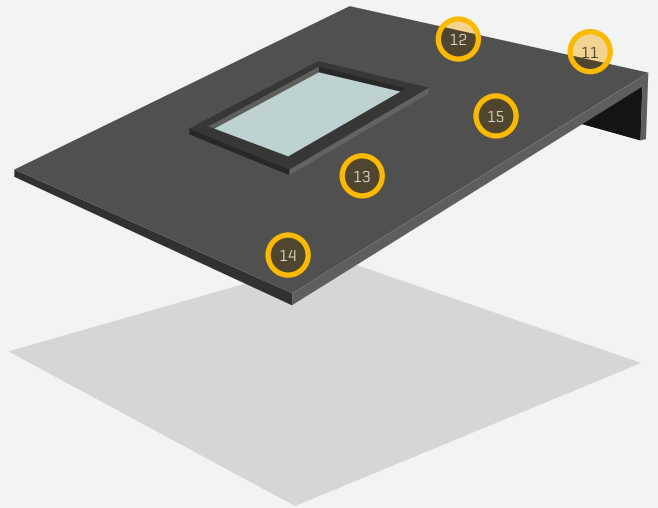
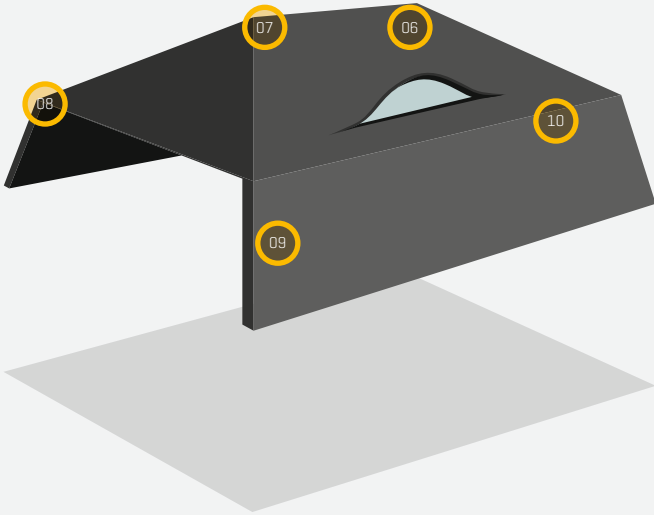
### VERGE TILE

#### EXTERIOR BAULK

Visually compact finish to the side roof plane and protection for the roof connection against driving rain. Available for left and right sides.







**06 ANTENNA TILE**  
For the safe implementation of satellite dish and antenna masts.



**11 SHED ROOF TILE**  
Finishing tile for all monopitch roofs. With 90° angle as a standard-shaped part. Other shapes at the roofer's request.



**07 HIP CAP**  
All-ceramic covering of the transition between the ridge and hip. Suitable for roof pitches of 18 – 50°.



**12 UNIVERSAL SHED ROOF TILE**  
Universal cover with finishing tiles.



**08 HIP STARTING TILE**  
Shapely and functional design for the start of the hip.



**13 DOUBLE BRIM TILE**  
Left-hand finish for ascending masonry or roof windows.



**09 Half Tile**  
Width compensation for existing roofs or for precise laying work on roof structures and roof windows.



**14 VENTILATION TILE**  
Additional surface ventilation in the eaves and ridge area. Ensures air circulation above the insulation and avoids condensation.



**10 MANSARD TILE**  
The accessory for creating mansard roofs or other creative roof shapes according to the requirements of the roofer.

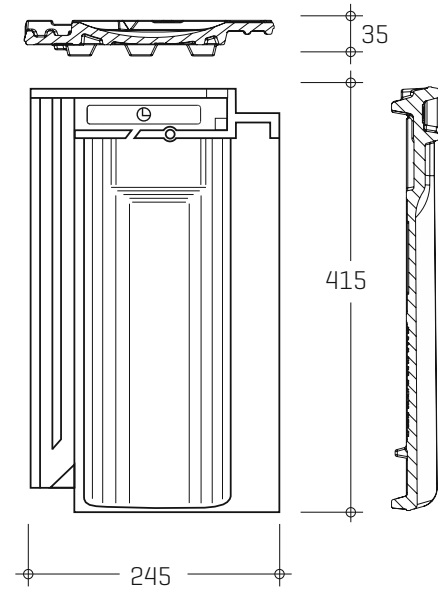


**15 VENTILATION PIPE**  
For the driving rain-resistant ventilation of sanitary pipes and exhaust ducts over the roof.



# TECHNOLOGY WITH SYSTEM

In addition to all visual aspects, the protective function and safety of your roof takes first place. Thanks to the wide contact surface and the pronounced suspension, the RHEINLANDVARIABEL is firmly and securely on the roof batten. The four-way covering and intensive locking in the four-tile corner gives the tile surface additional stability and makes it extremely safe against wind suction. The double interlocking joint defies driving rain and snow. And this already for roof pitches from 17 ° with corresponding additional measures.<sup>1</sup>

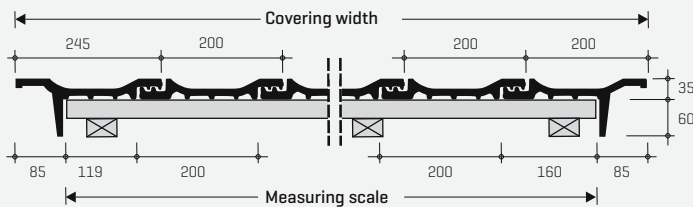


## LAUMANS RHEINLAND VARIABEL

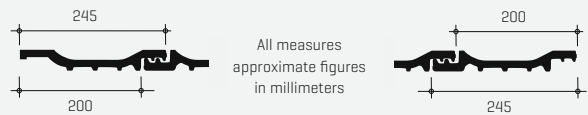
DIMENSIONS	COVERING LENGTH	COVERING WIDTH	REQUIRED	WEIGHT	MINIMUM ROOF PITCH <sup>1</sup>	STANDARD ROOF PITCH	PACKAGE CONTENTS
approx. 415 x 245 mm	approx. 330 – 350 mm	approx. 200 mm	from approx. 14,3 pro m <sup>2</sup>	per pc.: approx. 3,7 kg per m <sup>2</sup> : 52,9–56,2 kg	17° with under-roof	25°	300 pcs. on europallet

## EVALUATION/SIZING OF THE COVERING WIDTH

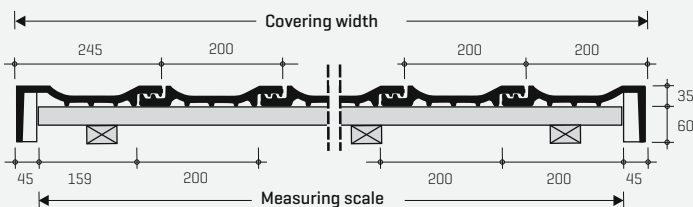
### A: Verge tile with interior baulk



### B: Double brim tile



### C: Verge tile with exterior baulk



Tile clips for storm protectioning

Nr. 409-214 Clipholster® to batter in ZIAL

Nr. 456-205 Clipholster® to hang onto batten size 30 x 50 ZIAL

Nr. 456-203 Clipholster® for batten size 40 x 60 ZIAL

Storm clip assignment

Also use our free online tool for wind suction calculator and storm clip assignment.

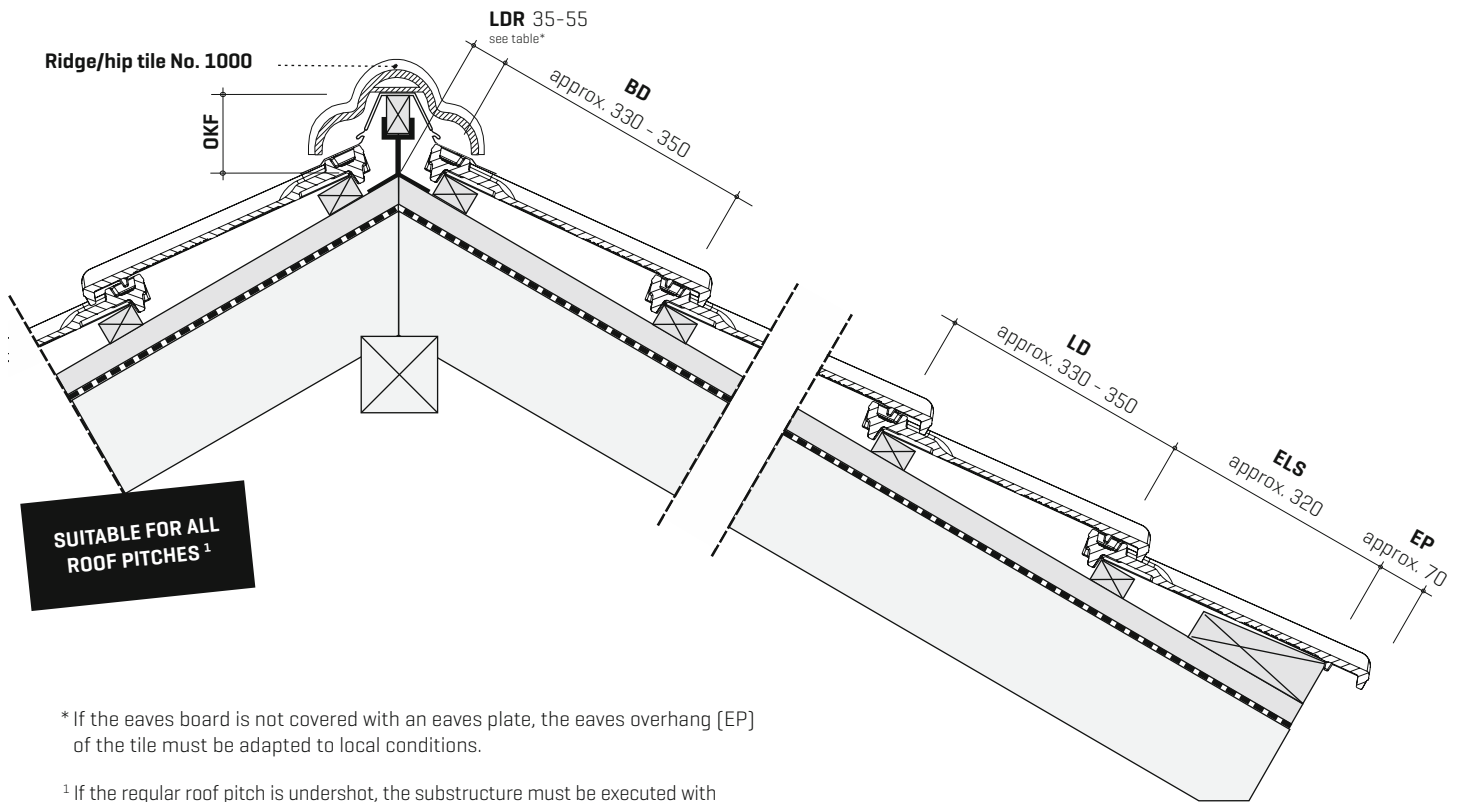
<http://www.laumans.de/en/windsog/>

**Average covering width in rows** without or with roof tile in mm construction width = respective measuring scale

ROWS		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
Roof tile (RT)		200	400	600	800	1.000	1.200	1.400	1.600	1.800	2.000	2.200	2.400	2.600	2.800	3.000
Double brim tile + RT	200 245	-	-	645	845	1.045	1.245	1.445	1.645	1.845	2.045	2.245	2.445	2.645	2.845	3.045
Verge tile l./r. (interior baulk) + RT	119 160	-	-	479	679	879	1.079	1.279	1.479	1.679	1.879	2.079	2.279	2.479	2.679	2.879
Verge tile l./r. (exterior baulk) + RT	159 200	-	-	559	759	959	1.159	1.359	1.559	1.759	1.959	2.159	2.359	2.559	2.759	2.959

ROWS		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Roof tile (RT)		3.200	3.400	3.600	3.800	4.000	4.200	4.400	4.600	4.800	5.000	5.200	5.400	5.600	5.800	6.000
Double brim tile + RT		3.245	3.445	3.645	3.845	4.045	4.245	4.445	4.645	4.845	5.045	5.245	5.445	5.645	5.845	6.045
Verge tile l./r. (interior baulk) + RT		3.079	3.279	3.479	3.679	3.879	4.079	4.279	4.479	4.679	4.879	5.079	5.279	5.479	5.679	5.879
Verge tile l./r. (exterior baulk) + RT		3.159	3.359	3.559	3.759	3.959	4.159	4.359	4.559	4.759	4.959	5.159	5.359	5.559	5.759	5.959





\* If the eaves board is not covered with an eaves plate, the eaves overhang [EP] of the tile must be adapted to local conditions.

<sup>1</sup> If the regular roof pitch is undershot, the substructure must be executed with increased requirements.

## EVALUATION/SIZING OF THE RAFTER LENGTH

Eaves overhang [EP] 60 mm: number of rows [according to chart] + lath distance eaves [ELS] + lath distance ridge [LDR]

### Covering length

ROWS	01	02	03	04	05	06	07	08	09	10
COVERING LENGTH in mm	330	660	990	1.320	1.650	1.980	2.310	2.640	2.970	3.300
	340	680	1.020	1.360	1.700	2.040	2.380	2.720	3.060	3.400
	350	700	1.050	1.400	1.750	2.100	2.450	2.800	3.150	3.500
ROWS	11	12	13	14	15	16	17	18	19	20
COVERING LENGTH in mm	3.630	3.960	4.290	4.620	4.950	5.280	5.610	5.940	6.270	6.600
	3.740	4.080	4.420	4.760	5.100	5.440	5.780	6.120	6.460	6.800
	3.850	4.200	4.550	4.900	5.250	5.600	5.950	6.300	6.650	7.000
ROWS	21	22	23	24	25	26	27	28	29	30
COVERING LENGTH in mm	6.930	7.260	7.590	7.920	8.250	8.580	8.910	9.240	9.570	9.900
	7.140	7.480	7.820	8.160	8.500	8.840	9.180	9.520	9.860	10.200
	7.350	7.700	8.050	8.400	8.750	9.100	9.450	9.800	10.150	10.500

All values are determined with a 30 x 50 mm lathing. If other slat cross sections are used, than these must be checked at the construction site beforehand!

The accurate lath spacing has to be determined at the building site with the delivered tiles.

### Lath distance ridge (LDR)

Using roof tiles				
Roof pitch	20°	30°	40°	50°
Ridge No. 1000	55 mm	50 mm	47 mm	33 mm
Ridge No. 300	45 mm	45 mm	40 mm	35 mm

### Further fitting tiles available

Term	Covering width/Measuring scale
Half tile	100 mm
Ventilation tile, ventilation approx. 15 cm <sup>2</sup>	200 mm
Vent pipe/antenna opening tile	200 mm
Solar connection tile, admission max. 65 mm Ø	200 mm
Shed roof tile 90°, side length 220/100 mm	200 mm
Shed roof verge tile left, interior baulk	245 mm / 119 mm
Shed roof verge tile right, interior baulk	200 mm / 160 mm

### Distance from ridge vertex / Top of ridge lath (OKF):

Using roof tiles				
Roof pitch	20°	30°	40°	50°
Ridge No. 1000	130 mm	110 mm	90 mm	80 mm
Ridge No. 300	125 mm	113 mm	98 mm	80 mm

Shed roof tiles with different slopes and dimensions, mansard tiles etc. on request.

# ORDER ONLINE ROOF TILE SAMPLES!

## EXPERIENCE THE DIFFERENCE

Order your favourite roof tile free of charge and be inspired by the uncompromising quality of our high-quality products made from Tegelen clay. Exclusive colours, unique surfaces and roof tile models with a strong character.



[laumans.de/en/order-samples/](https://laumans.de/en/order-samples/)

Use our sample tile service free of charge and without obligation. Please note that sample tiles are always to be regarded as average samples in terms of colour.



## UNIQUE FACADES WITH DANISH WATERSTRUCK BRICKS

Be inspired and expand your creative possibilities. With Ultima - the extraordinary waterstruck bricks in an exclusive long format. For façades with a strong character for individual detached houses and other ambitious architectural projects.

We ship worldwide - Feel free to contact us for international orders.



[randerstegl.com/en/ultima/rt-153](https://randerstegl.com/en/ultima/rt-153)



### TOP OR FLOP?

Tell us your opinion!  
[survey@laumans.de](mailto:survey@laumans.de)



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