



**RANDERS** **legl** + **LAUMANS**

THE ELEGANT HOLLOW INTERLOCKING TILE  
**LAUMANS**  
**IDEAL VARIABEL**





**VOLKER OBERZIER**

Roof tile production

"The basis of my work at Laumans are the great clay deposits in the vicinity of Brügggen. The short distances to our plant site and the use of the raw material without waste in the production process protect the environment. That makes me proud of our natural product."

# ELEGANTLY CURVED PROFILE FOR DYNAMIC ROOFS – LAUMANS IDEAL VARIABEL



The particularly lively roof tile model LAUMANS IDEAL VARIABEL is modeled on the S-line shape of a traditional hollow pan. It has been developed by us over decades to technical and optical perfection. Its elegantly curved profile creates an inimitable light and shadow play on the roof surface. For an unmistakable strong character look, which is architecturally formative.



#### **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 IDEAL VARIABEL

THE DYNAMIC, ELEGANT HOLLOW INTERLOCKING TILE

**Design:** characteristic S-shape with strong curvature for a dynamic look

**Surface effect:** accentuated play of light and shadow through harmonious waveshape of the tile

**Technology:** double interlocking joint for increased rain protection, even at the lowest roof pitches; variable covering length for quick and easy mounting

**Application:** equally suitable for roof renovation and new construction. Harmonizes perfectly with all types of architecture

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



# UNIQUE SURFACES AND EXCLUSIVE COLOURS FROM MATT TO HIGH GLOSS.

## 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.

### **BRILLIANT GLAZE** – Glossy surface

Ceramic coating that fuses with the roof tile during firing.

### **TREND GLAZE** – Extra matt-satined surface

Premium glaze with significantly reduced gloss.

### **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 ENGOBES



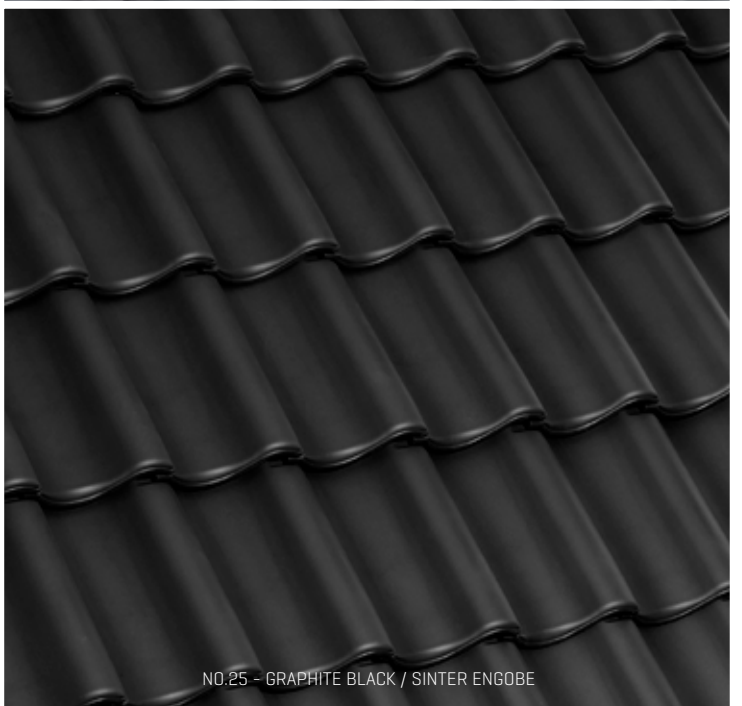
NO. 14 - RED / NATURAL ENGOBE



NO. 30 - XENON-GREY / NATURAL ENGOBE



NO. 20 - BLACK / Sinter ENGOBE



NO. 25 - GRAPHITE BLACK / SINTER ENGOBE













NO.50 - BLACK / BRILLIANT GLAZE



NO.101 - DARK AZURE / BRILLIANT GLAZER



NO.114 - OCHRE BROWN / BRILLIANT GLAZE



NO.121 - MALCHITE GREEN / BRILLIANT GLAZE



NO.40 - SATIN BLACK / TREND GLAZE



NO.41 - SATIN GREY / TREND GLAZE



# Roof TILES MADE OF CLAY: FROM NATURE - FOR NATURE

Behind the desire to have a roof over your head there is always a need for security, warmth and peace. That's why builders and homeowners choose premium roof tiles made of Tegelen clay from the Lower Rhine region in Germany. Clay is a gift of nature and has many good qualities that improve our living standard and quality of life. One of the best points is that it can be moulded, dried and fired, thus providing us with roof tiles of outstanding quality.

## HEALTHY ROOF

There is a saying that only in a healthy body can a healthy mind live. Something similar is the connection between a healthy roof and the well-being of the inhabitants. Because only if the roofing is made of natural building materials and has been produced environmentally friendly, will you feel at home with a permanently clear conscience.

## PURE NATURE

Clay is a completely pure and natural building material and therefore completely recyclable. Only the four basic elements of earth, water, air and fire are effective in the formation of our roof tiles. They promote the exchange of air and moisture and defy the sun, storm, rain, ice and snow. From raw materials to manufacturing and use, Laumans roof tiles meet all the ecological and economic requirements for a future-oriented roofing material.

## BECAUSE OF RESPONSIBILITY

For the responsible use of natural resources, Laumans has consistently relied on environmentally friendly manufacturing processes for more than 120 years. These include, among other things, the reclamation of quarrying sites, intelligent disposal and recycling solutions as well as energy, air and water-conserving production processes. The company's innovative production method, in which the tile models are fired free-standing and without touching one another, also ensures increased energy efficiency. This way roofs can be designed sustainable.

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## ADVANTAGE: NATURALITY

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- Clay is an absolutely natural building material
- Only the four basic elements earth, water, air and fire are effective in the formation
- Clay increases the quality of living
- Roof tile products are 100% recyclable
- Resource-saving production processes
- Reclamation of clay pits
- Ecologically sensible and sustainable roofing material



# ACCESSORIES MADE OF CLAY. FOR PERFECT ROOFS.

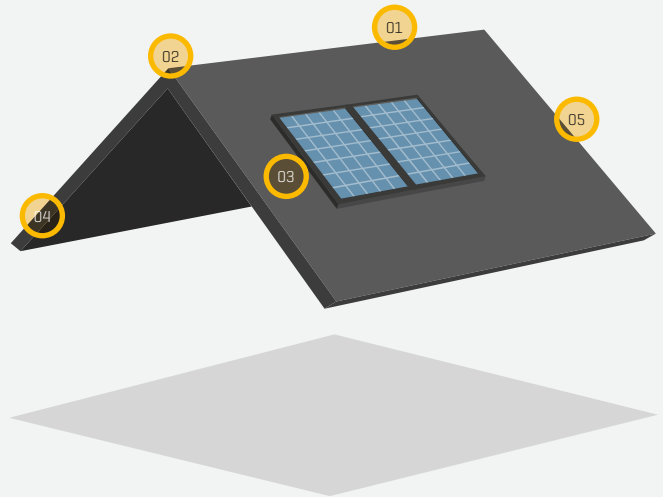
Only the all-ceramic roof, from the eaves to the ridge, guarantees the unmistakable overall performance of a Laumans clay tile roof. One in shape and function unbeatable unit that defies all environmental influences and does not show material fatigue even after decades. Available in all available colours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

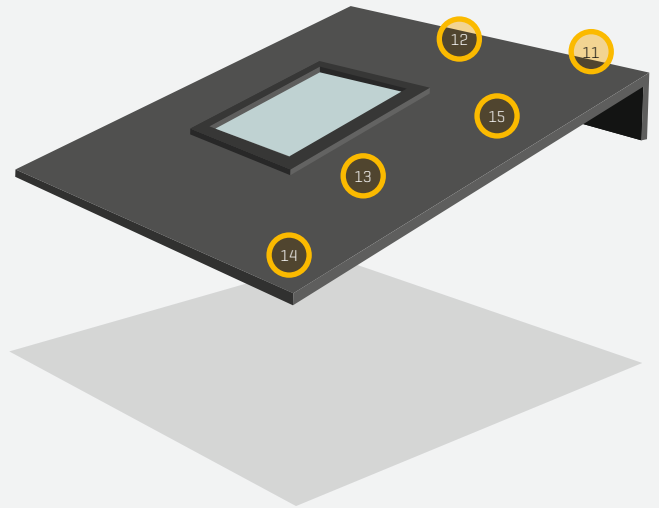
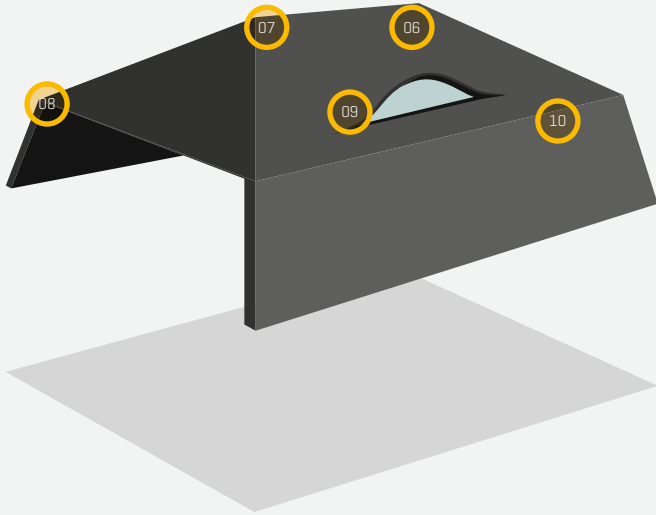
### VERGE TILE

#### 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 UNDER-RIDGE VENTILATION TILE**  
 Technical and visual improvement of the seat of the ridge tile in the last row.



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



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



**09 SPECIAL TILE**  
 ... for "bat" dormer. Special roof tile with fitted joints to the elegantly shaped manifestation of "bat" dormer



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



**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.



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



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



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

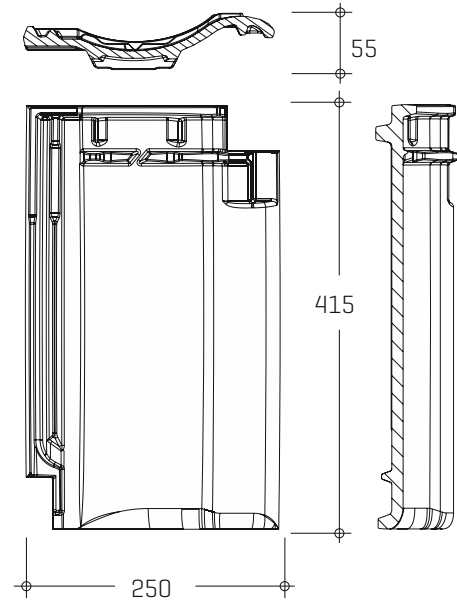


**15 VENTILATION PIPE**  
 For the driving rain-resistant ventilation of sanitary pipes and exhaust ducts over the roof.



# 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 LAUMANS IDEAL VARIABEL 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 14 ° with corresponding additional measures.<sup>1</sup>

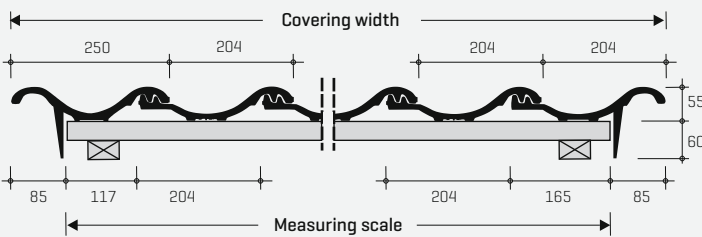


## LAUMANS IDEAL VARIABEL

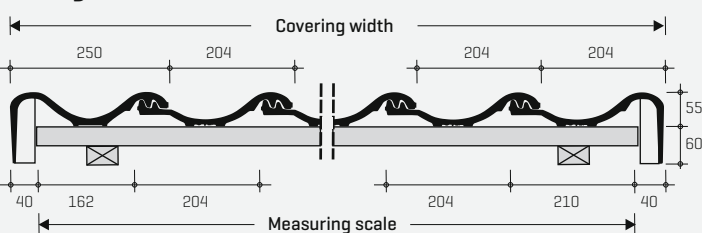
DIMENSIONS	COVERING LENGTH	COVERING WIDTH	REQUIRED	WEIGHT	MINIMUM ROOF PITCH <sup>1</sup>	STANDARD ROOF PITCH	PACKAGE CONTENTS
approx. 415 x 250 mm	approx. 332-347 mm	approx. 204 mm	from approx. 14,2 pro m <sup>2</sup>	per pc.: approx. 3,4 kg per m <sup>2</sup> : 47,9-50,3 kg	14° with under-roof	22°	280 pcs. on europallet

## EVALUATION/SIZING OF THE COVERING WIDTH

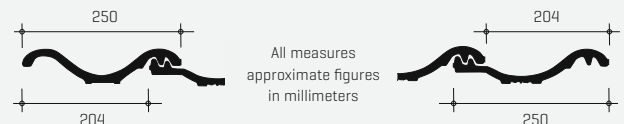
### A: Verge tile with interior baulk



### C: Verge tile with exterior baulk



### B: Double brim tile



Tile clips for storm protectioning

Nr. 409-224 Clipholster® to batter in ZIAL

Nr. 456-207 Clipholster® to hang onto batten size 30 x 50 mm ZIAL

Nr. 456-015 for batten size 40 x 60 mm ZIAL

Storm clip assignment

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

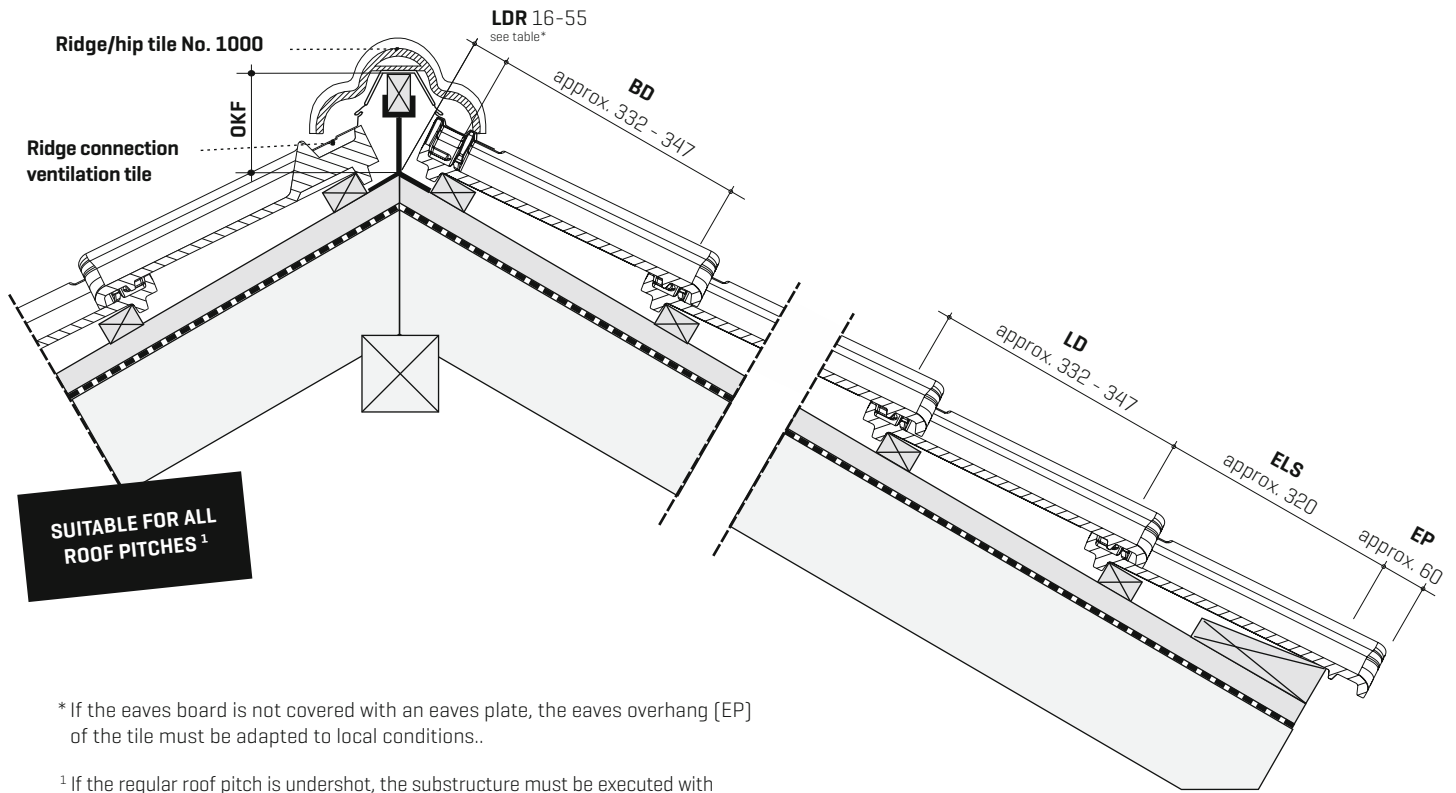
<http://www.laumans.de/en/windsog/>

**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)		204	408	612	816	1.020	1.224	1.428	1.632	1.836	2.040	2.244	2.448	2.652	2.856	3.060
Double brim tile + RT	204 250	-	-	658	862	1.066	1.270	1.474	1.678	1.882	2.086	2.290	2.494	2.698	2.902	3.106
Verge tile l./r. (interior baulk) + RT	117 165	-	-	486	690	894	1.098	1.302	1.506	1.710	1.914	2.118	2.322	2.526	2.730	2.934
Verge tile l./r. (exterior baulk) + RT	162 210	-	-	576	780	984	1.188	1.392	1.596	1.800	2.004	2.208	2.412	2.616	2.820	3.024

ROWS		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Roof tile (RT)		3.264	3.468	3.672	3.876	4.080	4.284	4.488	4.692	4.896	5.100	5.304	5.508	5.712	5.916	6.120
Double brim tile + RT		3.310	3.514	3.718	3.922	4.126	4.330	4.534	4.738	4.942	5.146	5.350	5.554	5.758	5.962	6.166
Verge tile l./r. (interior baulk) + RT		3.138	3.342	3.546	3.750	3.954	4.158	4.362	4.566	4.770	4.974	5.178	5.382	5.586	5.790	5.994
Verge tile l./r. (exterior baulk) + RT		3.228	3.432	3.636	3.840	4.044	4.248	4.452	4.656	4.860	5.064	5.268	5.472	5.676	5.880	6.084





\* 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
COVER- ING LENGTH in mm	332	664	996	1.328	1.660	1.992	2.324	2.656	2.988	3.320
	340	680	1.020	1.360	1.700	2.040	2.380	2.720	3.060	3.400
	347	694	1.041	1.388	1.735	2.082	2.429	2.776	3.060	3.470
ROWS	11	12	13	14	15	16	17	18	19	20
COVER- ING LENGTH in mm	3.652	3.984	4.316	4.648	4.980	5.312	5.644	5.976	6.308	6.640
	3.740	4.080	4.420	4.760	5.100	5.440	5.780	6.120	6.460	6.800
	3.817	4.164	4.511	4.858	5.205	5.552	5.899	6.246	6.593	6.940
ROWS	21	22	23	24	25	26	27	28	29	30
COVER- ING LENGTH in mm	6.972	7.304	7.304	7.968	8.300	8.632	8.964	9.296	9.628	9.960
	7.140	7.480	7.480	8.160	8.500	8.840	9.180	9.520	9.860	10.200
	7.287	7.634	7.634	8.328	8.675	9.022	9.369	9.716	10.063	10.410

### Further fitting tiles available

Term	Covering width/Measuring scale
Ventilation tile, ventilation approx. 15 cm <sup>2</sup>	204 mm
Vent pipe/antenna opening tile	204 mm
Solar connection tile, admission max. 65 mm Ø	204 mm
Unter-ridge ventilation tile	204 mm
Unter-ridge ventilation verge tile left, interior baulk	117 mm
Unter-ridge ventilation verge tile right, interior baulk	165 mm
Shed roof tile 90°, side length 220/100 mm	204 mm
Shed roof verge tile left, interior baulk	250 mm / 117 mm
Shed roof verge tile right, interior baulk	204 mm / 165 mm

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

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	45 mm	25 mm	20 mm
Ridge No. 300	55 mm	30 mm	25 mm	16 mm
Using ridge inlay				
Roof pitch	20°	30°	40°	50°
Ridge No. 1000	70 mm	45 mm	45 mm	20 mm
Ridge No. 300	40 mm	45 mm	33 mm	25 mm

### Distance from ridge vertex / Top of ridge lath [OKF]:

Using roof tiles				
Roof pitch	20°	30°	40°	50°
Ridge No. 1000	150 mm	140 mm	125 mm	115 mm
Ridge No. 300	150 mm	130 mm	125 mm	110 mm
Using ridge inlay				
Roof pitch	20°	30°	40°	50°
Ridge No. 1000	145 mm	130 mm	125 mm	120 mm
Ridge No. 300	145 mm	130 mm	125 mm	120 mm

# 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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