

RANDERS **legl** + LAUMANS

THE STRIKING HOLLOW PAN  
**HØJSLEV**  
**HOHLPFANNE**



**HANS-JOSEF HEFFELS**

Special roof tile production

„I've been working in moulded tile production at Randers Tegl Laumans since 1983. Although a roof consists mainly of flat tiles, it is the moulded tiles that complete a roof down to the last detail and give it character. It gives me great pleasure that our customers not only get safe, but also beautiful roofs thanks to my contribution..“

# THE STRIKING HOLLOW PAN FOR THE TRADITIONAL ROOF – HØJSLEV HOHLPFANNE



The HØJSLEV HOHLPFANNE [hollow pan] in its basic shape goes all the way back to the Roman Empire. Already at that time the value and beauty of fired clay was cherished. Heavily curved and without interlocking joints, to this day it remains a beautiful and effective method to give your house a matchless character and, at the same time, defy all environmental influences.



#### **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.



# HØJSLEV HOHLPFANNE

THE TRADITIONAL, STRIKING HOLLOW PAN

**Design:** functional design and expressive wave appearance

**Surface effect:** distinctive, homogeneous play of light and shadow through deep tile vaulting

**Technology:** available in a long-cut and short-cut version for different mounting options

**Application:** for refurbishment, reconstruction and renovation of historic buildings. Also excellent in combination with modern architectural styles.

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



# EXCLUSIVE COLOURS FOR THE CHARACTERISTIC ROOF DESIGN.

## INDIVIDUAL AND CREATIVE ROOF DESIGN

### **NATURAL FIRED** – NATURALLY MATTE SURFACE

Our colour palette begins with natural red clay tiles. Only roof tiles of fired clay may be called “natural red”. This hue can occur in different tendencies, such as occur in nature, for example, in flowers and leaves, and represents the most original form of colouring.

A further manufacturing process for achieving special colour shades is characterized by the entire tile body being solidly coloured. By addition of the natural mineral titanium oxide into the clay mass, yellow tones are obtained by the admixture of manganese shades in the brown colour spectrum.

The colour “grey-damped” is created by the removal of oxygen during the burning process, the natural shards become completely grey. A special combustion control system calls for a deliberately strong traverse in the colours “red-colourful” and “colourful-dampened” for a visually antique appearance. The resulting colours are unmatched in their vibrant appearance, since they have distinct colour nuances and thus provide for a particularly intense and natural colouring effect in the surface finish.

### **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.





NO. 11 - NATURAL RED / NATURAL FIRED



NO. 16 - SUBDUED GREY / NATURAL FIRED



NO. 36 - YELLOW / NATURAL FIRED



NO. 35 - BROWN / NATURAL FIRED



NO. 111 - RED COLOURED / NATURAL FIRED

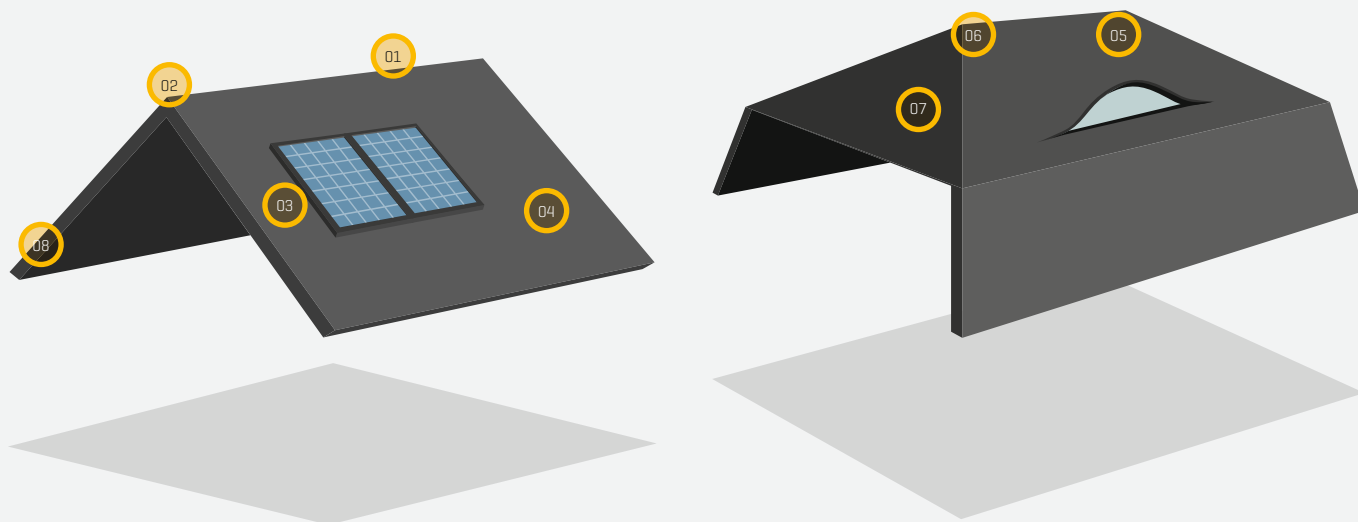


NO. 37 - ANTHRACITE / NATURAL ENGOBE



NO. 116 - SUBDUED COLOURED / NATURAL FIRED

# ACCESSORIES MADE OF CLAY



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



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



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



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



**07 VENTILATION TILE**  
Additional surface ventilation in the eaves and ridge area and for roof structures.



**08 SIDELIGHTS**  
Closure of the lateral roof surface and protection of the the roof connection from driving rain. Available for right and left side available.



Only the all-ceramic system with its detailed solutions made of clay guarantees the final overall performance of your roof. An unbeatable unit in shape and function, which defies all environmental influences and shows no material fatigue even after decades. Available in all available colours. For functional areas such as storm and snow protection, roof inspections and solar use, you will also receive non-ceramic accessories from Laumans.



# INDIVIDUAL ROOF DESIGN: CREATIVE AND TIMELESSLY BEAUTIFUL

A roof with Lauman's premium Tegelen clay roof tiles from the Lower Rhine combines tradition with innovation, tranquility with suspense, classicism with modernity. Its natural elegance is based on the perfect interplay of form and function and has the potential to create a harmonious image with any kind of architecture. Laumans offers many different roof tile models, colours and surfaces. So all clients have an opportunity to realize their own dream roof.

## LET YOURSELF BE INSPIRED

As a pioneer of industrial production, Laumans is one of the leading companies, especially in glazed and engobed tiles. One reason for the success is the special colour-coating technique of showering: coloured clay slurries and glazes are not sprayed or spun, but poured over the tiles before the firing. The result is more intense and more consistent colours with up to 40 % higher thickness - for noticeably smoother roof tiles. Also unique are the trend glazes which combine all the positive qualities of a conventional glaze with a deliberately matt appearance. Our claim: the right tile for every roof - from extra matt to high gloss.

## SHOWING YOUR COLOURS

With the design of your roof you show your colours in the truest sense. Reds radiate warmth and enjoyment of life, grey and black appear factual and elegant. You set very special accents with

noble blue or green roof tiles. The various ceramic surfaces emphasize the design aspect of the roof in the overall context of the house to a great extent and make every property a real "eye-catcher".

## EYE-CATCHING ORNAMENTS

You can also use roof trims, ornaments and figures to give your dream roof even more personality. Let your ideas run wild. At Laumans you will find a large selection of roof ornaments. Just visit our website [www.laumans.de](http://www.laumans.de) and ask your specialist or dealer.

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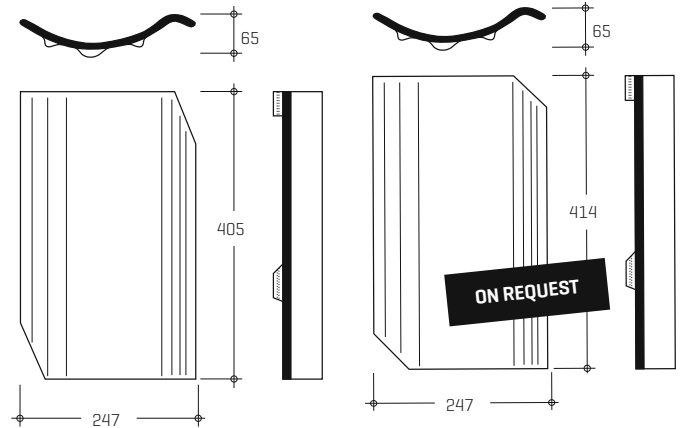
## ADVANTAGE: INDIVIDUALITY

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- The right tile for each roof because of a great variety of models
- Exclusive surface variants from matt to high gloss
- Comprehensive colour palette in particularly natural, lively tones
- Intense colours and smooth surfaces thanks to unique colour application technology
- Compatible with every kind of architecture
- Extensive range of roof decorations for additional customizations

# TECHNOLOGY WITH SYSTEM

Hollow pans with long-cut (LC) are used for fore-cut coverage. The successive tile rows overlap in height by the amount of the corner cut. As a result, the upper right and lower left tile lie diagonally next to each other on the four-tile corner. For cut-coverage use hollow pans with short-cut (KS, delivery on request). The successive tile rows overlap by the amount of minimum-height-coverage depending on the roof pitch. Here are four roof tiles laying on each other at the four-tile-corner. Falling below the normal pitch is easily possible with additional measures.<sup>1</sup>



Longcut (LC)  
for fore-cut coverage

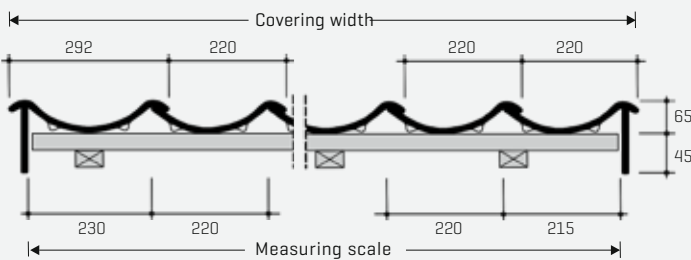
Shortcut (SC)  
for cut coverage

## HØJSLEV HOHLPFANNE

	DIMENSIONS	COVERING LENGTH	COVERING WIDTH	REQUIRED	WEIGHT	MINIMUM ROOF PITCH <sup>1</sup>	STANDARD ROOF PITCH	PACKAGE CONTENTS
LC	approx. 405 x 247 mm	approx. 330 mm	approx. 220 mm	from approx. 13,8 pro m <sup>2</sup>	per pc.: approx. 2,9 kg per m <sup>2</sup> : approx. 40 kg	30° with under-roof	40°	252 pcs. on europallet
SC	approx. 414 x 247 mm	approx. 315-325 mm.	approx. 220 mm	from approx. 13,6 pro m <sup>2</sup>	per pc.: approx. 2,9 kg per m <sup>2</sup> : 39,4-41,8 kg	25° with under-roof	35°	252 pcs. on europallet

## EVALUATION/SIZING OF THE COVERING WIDTH

### A: Side finish with baulk



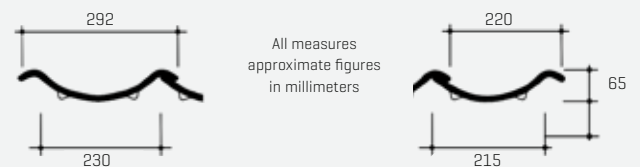
#### Fore-cut coverage (Longcut)



#### Cut coverage (Shortcut)



### B: Double brim tile



All measures approximate figures in millimeters

#### Tile clips for storm protection

Nr. 428 b / 1 to hang onto batten size 30 x 50 mm  
Nr. 428 b / 2 to hang onto batten size 40 x 60 mm  
Nr. 453-211 Clipholster® to batter

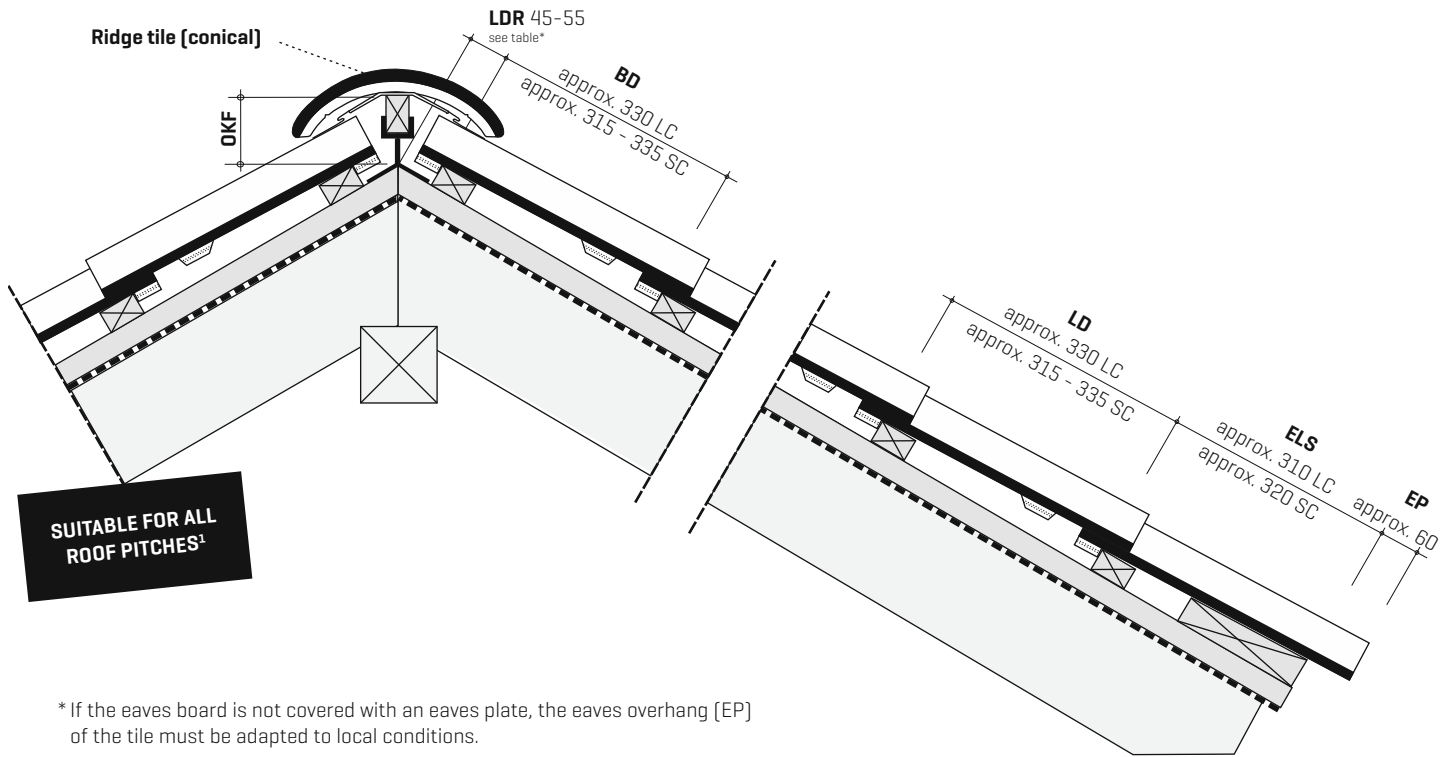
#### Storm clip assignment

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

ROW		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
Roof tile (RT)		220	440	660	880	1.100	1.320	1.540	1.760	1.980	2.200	2.420	2.640	2.860	3.080	3.300
Double brim tile + RT	230 215	-	-	665	885	1.105	1.325	1.545	1.765	1.985	2.205	2.425	2.645	2.865	3.085	3.305
Side finish with baulk li/r. + RT	230 215	-	-	665	885	1.105	1.325	1.545	1.765	1.985	2.205	2.425	2.645	2.865	3.085	3.305

ROW		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Roof tile (RT)		3.520	3.740	3.960	4.180	4.400	4.620	4.840	5.060	5.280	5.500	5.720	5.940	6.160	6.380	6.600
Double brim tile + RT		3.525	3.745	3.965	4.185	4.405	4.625	4.845	5.065	5.285	5.505	5.725	5.945	6.165	6.385	6.605
Side finish with baulk li/r. + RT		3.525	3.745	3.965	4.185	4.405	4.625	4.845	5.065	5.285	5.505	5.725	5.945	6.165	6.385	6.605



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

¹ 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 (LD)	LC	330	660	900	1.320	1.650	1.980	2.310	2.640	2.970	3.300
	SC ≤40°	315	630	945	1.260	1.575	1.890	2.205	2.520	2.835	3.150
	SC >40°	325	650	975	1.300	1.625	1.950	2.275	2.600	2.925	3.250
	SC >45°	335	670	1.005	1.340	1.675	2.010	2.345	2.680	3.015	3.350
ROWS		11	12	13	14	15	16	17	18	19	20
COVERING LENGTH in mm (LD)	LC	3.630	3.960	4.290	4.620	4.950	5.280	5.610	5.940	6.270	6.600
	SC ≤40°	3.465	3.780	4.095	4.410	4.725	5.040	5.355	5.670	5.985	6.300
	SC >40°	3.575	3.900	4.225	4.550	4.875	5.200	5.525	5.850	6.175	6.500
	SC >45°	3.685	4.020	4.355	4.690	5.025	5.360	5.695	6.030	6.365	6.700
ROWS		21	22	23	24	25	26	27	28	29	30
COVERING LENGTH in mm (LD)	LC	6.930	7.260	7.590	7.920	8.250	8.580	8.910	9.240	9.570	9.900
	SC ≤40°	6.615	6.930	7.245	7.560	7.875	8.190	8.505	8.820	9.135	9.450
	SC >40°	6.825	7.150	7.475	7.800	8.125	8.450	8.775	9.100	9.425	9.750
	SC >45°	7.035	7.370	7.705	8.040	8.375	8.710	9.045	9.380	9.715	10.050

### Further fitting tiles available

Term	Covering width/Measuring scale
Double brim tile	292 mm
Ventilation tile, ventilation approx. 60 cm²	220 mm
Vent pipe/antenna opening tile	220 mm

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)

When using roof tiles				
Roof pitch	20°	30°	40°	50°
Ridge tile [conical]	55 mm	50 mm	50 mm	45 mm

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

When using roof tiles				
Roof pitch	20°	30°	40°	50°
Ridge tile [conical]	145 mm	130 mm	120 mm	105 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)



**RANDERS Tegl + LAUMANS**

**Randers Tegl Laumans GmbH**

Stiegstr. 88  
41379 Brüggen-Bracht

Phone: +49 2157 1413-0

Fax: +49 2157 1413-39

[vertrieb-dach@randerstegllaumans.de](mailto:vertrieb-dach@randerstegllaumans.de)

[www.laumans.de](http://www.laumans.de)