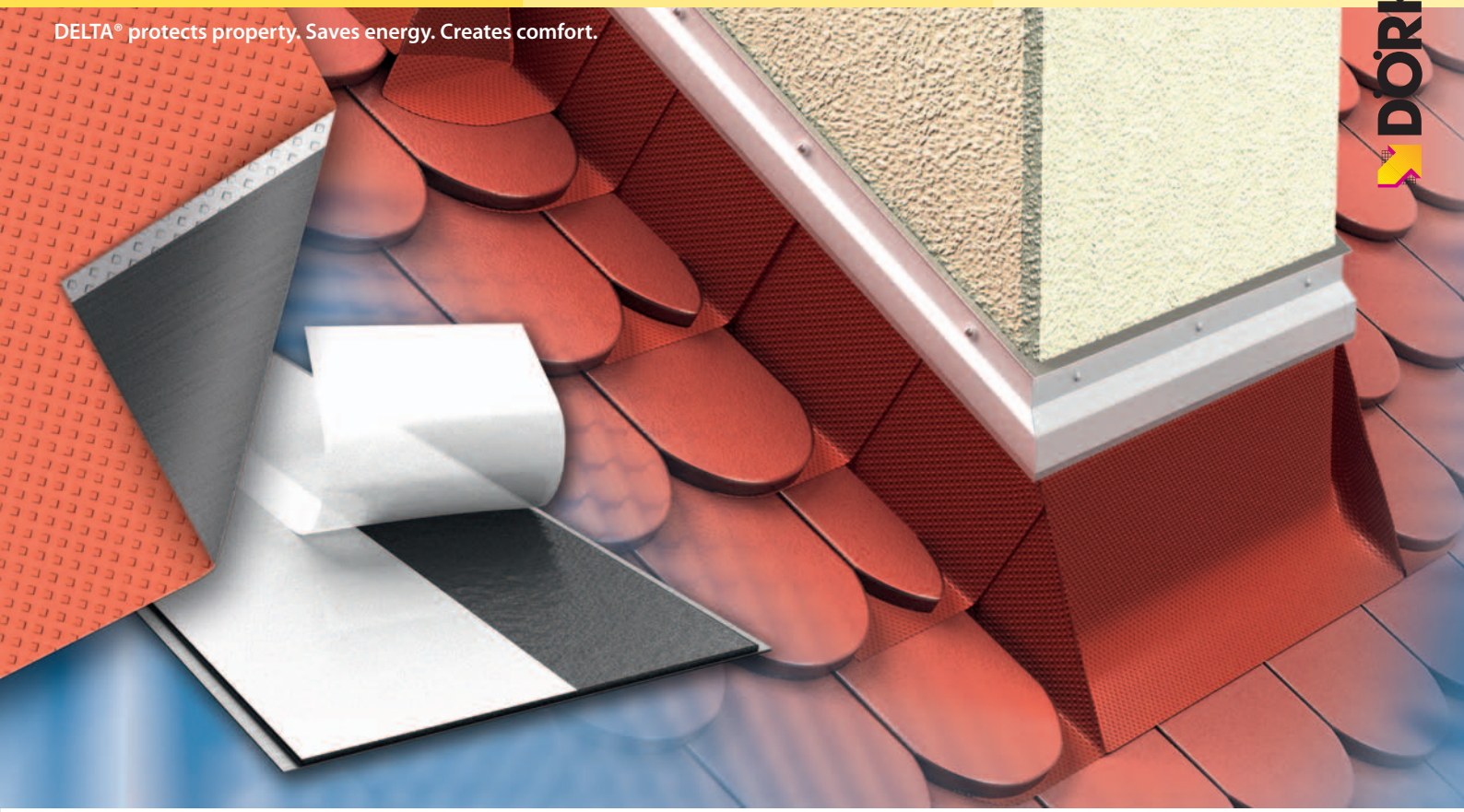
DELTA®

DELTA® protects property. Saves energy. Creates comfort.



DÖRKEN

DELTA®-TOP PAD laying instructions

BASIC QUALITY

Universal tape for sealing all seams between walls, chimneys, or rising construction elements and slightly undulating or plain roofing materials.

Laying instructions for DELTA®-T

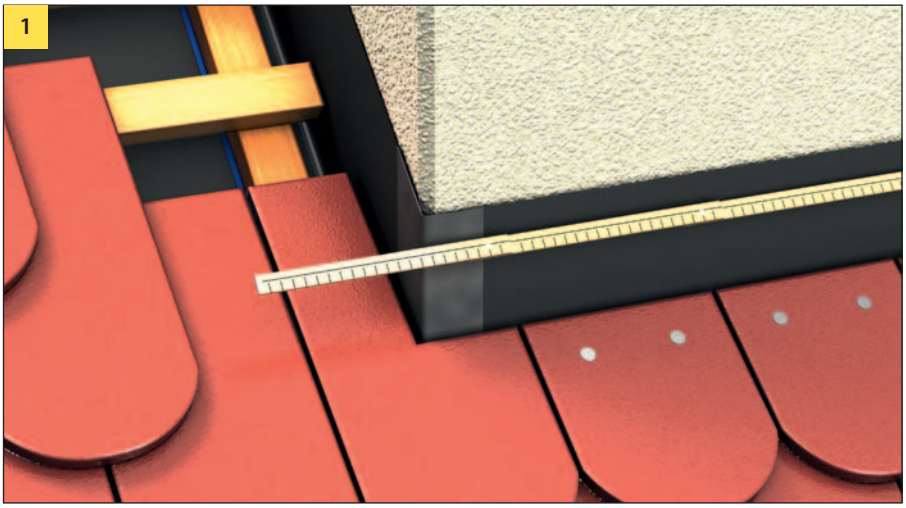
General comments

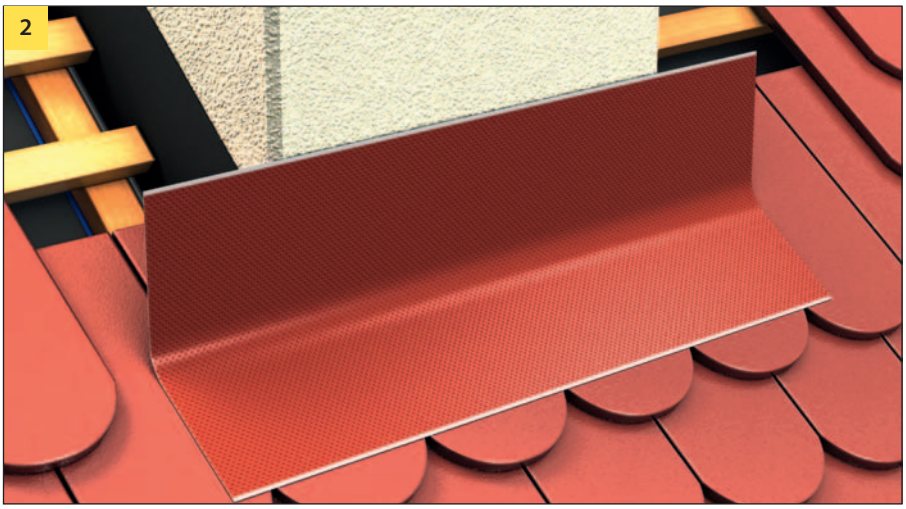
DELTA®-TOP PAD securely seals junctions between roofs covered with plain or slightly moulded tiles and rising building elements like chimneys, walls, etc.

DELTA®-TOP PAD is a self-adhesive flashing tape consisting of a smooth/structured and coated metal base. The underside is coated with a high-grade adhesive.

The prerequisite for safe laying/bonding is that substrates should be non-porous, clean, dry, and free from frost and grease.

Always work from the gutter to the ridge side. As a general rule, flashings are applied in two parts to prevent water seepage (e.g. connecting angles or wall weather strips). The upper edge of DELTA®-TOP PAD should be mechanically fastened to the rising building element. Table 1 lists overlaps and flashing heights in relation to roof slopes and the position of the flashing on the rising building element. Fastening battens should be provided whenever the clearance between the rising building element and the roof covering is greater than 2 cm. Unusual climatic conditions, such as excessive snowfall, may call for greater overlaps and/or flashing heights.





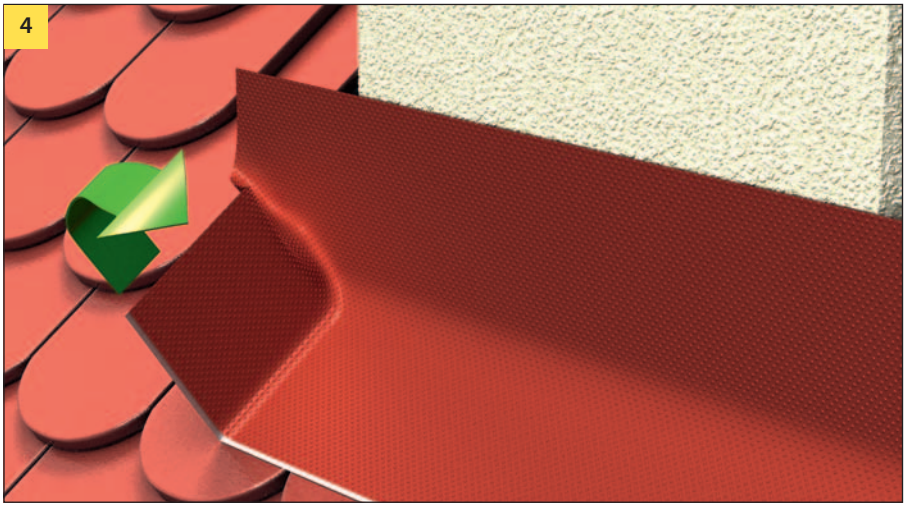
Gutter-side flashing (breast section)
Clean substrate. Cut DELTA®-TOP PAD to length. For flashing heights and overlaps, see Table 1 & 2.

(Fig. 1/Fig 2)
If corners have to be made on the gutter side, cut DELTA®-TOP PAD so that it projects beyond the edge of the chimney on both sides by approx. 15 cm

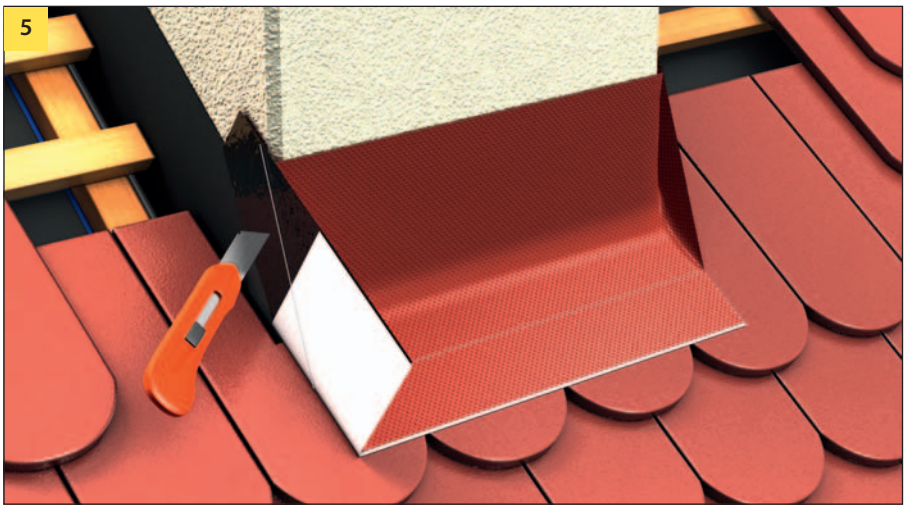
OP PAD

(Fig. 3)
Trim DELTA®-TOP PAD. Pull off or turn back the upper part of the protective film.

Apply the upper side of the tape to the chimney and fix the upper edge.



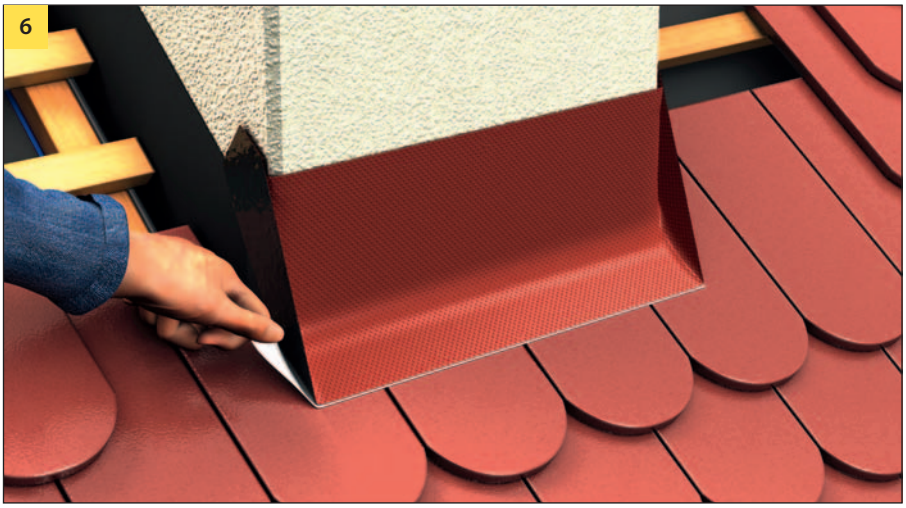
Gutter-side corners
(Fig. 4)
Fold up the projecting tape in line with the chimney sides, forming a crease. Fold those parts that were formed by the crease and are in contact with the chimney back around the chimney edge .



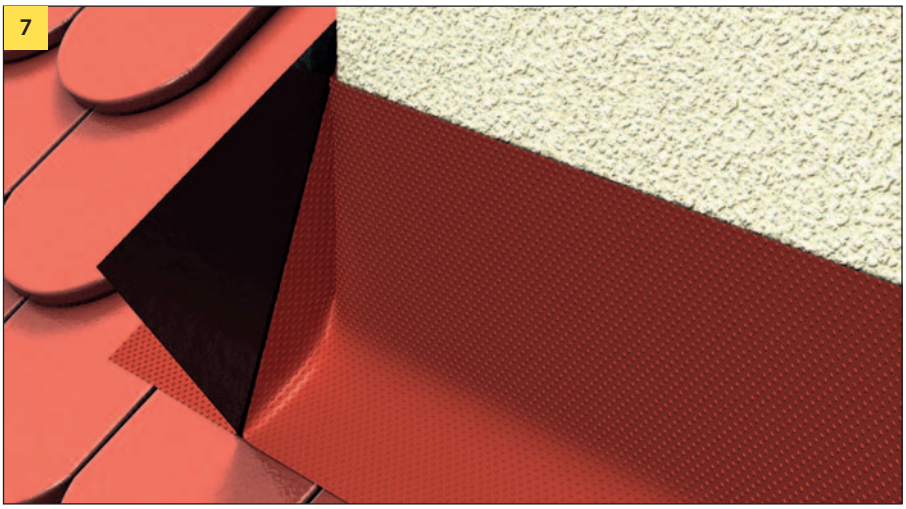
(Fig. 5)
Cut off the corners of the folded-up gutter-side flashing (breast section) diagonally from the chimney corners to the roof covering.

Laying instructions for DELTA®-TOP PAD

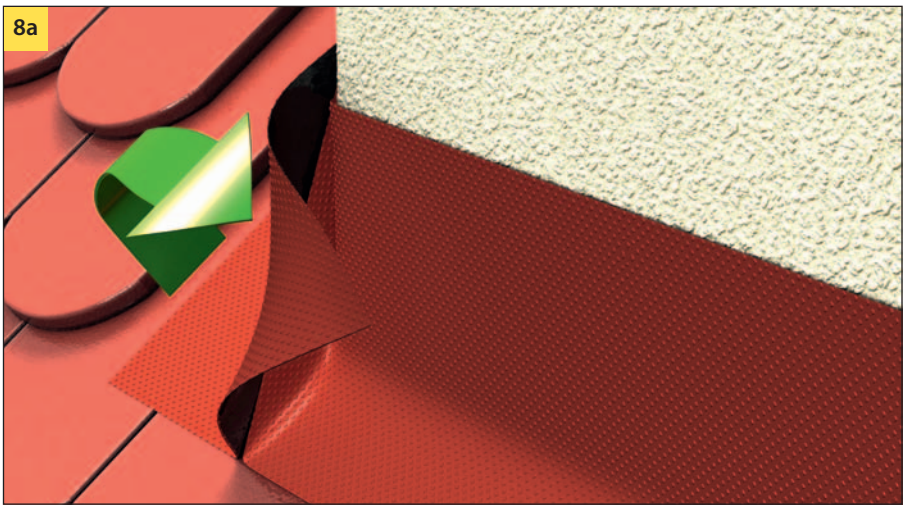
Gutter-side corners
(Fig. 6)
Pull off the protective film from the lower part, place it in position and press down.



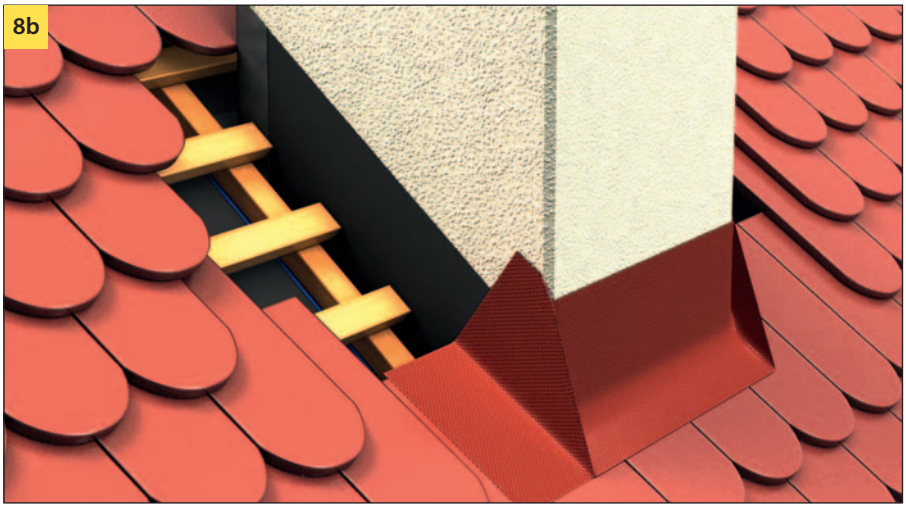
(Fig. 7)
Trim a lateral cutting, allowing adequate excess for the gutter-side corners, and join the gutter-side and lateral cuttings 'glue to glue'.



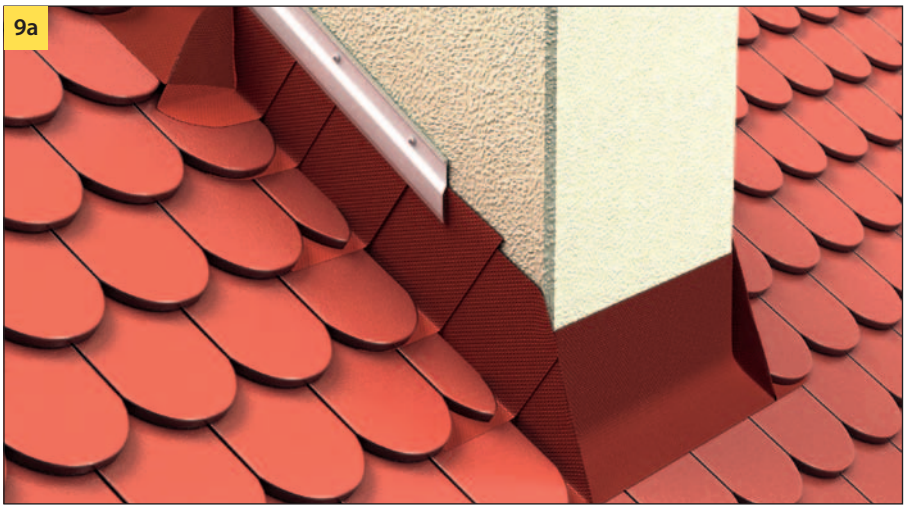
(Fig. 8a/ Fig. 8b)
Fold the projecting triangle of DELTA®-TOP PAD inward across the diagonal of the gutter-side end of the flashing .



8b



9a



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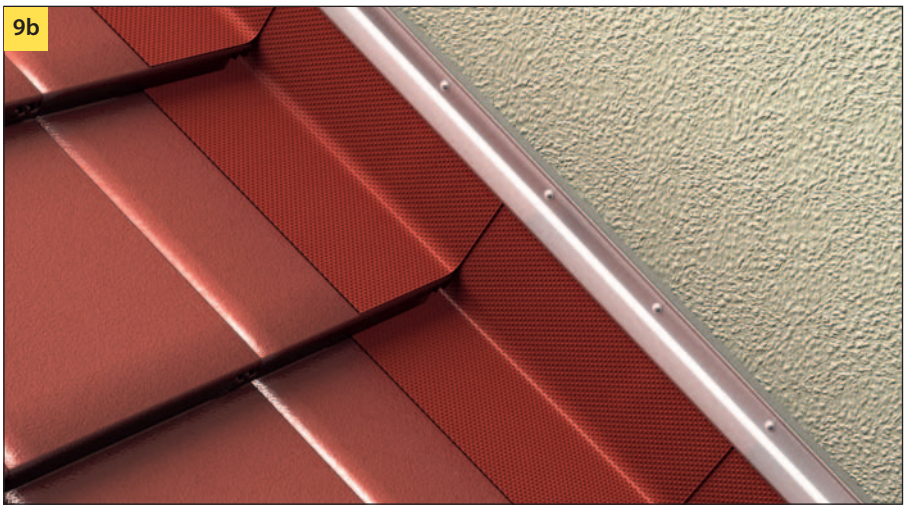


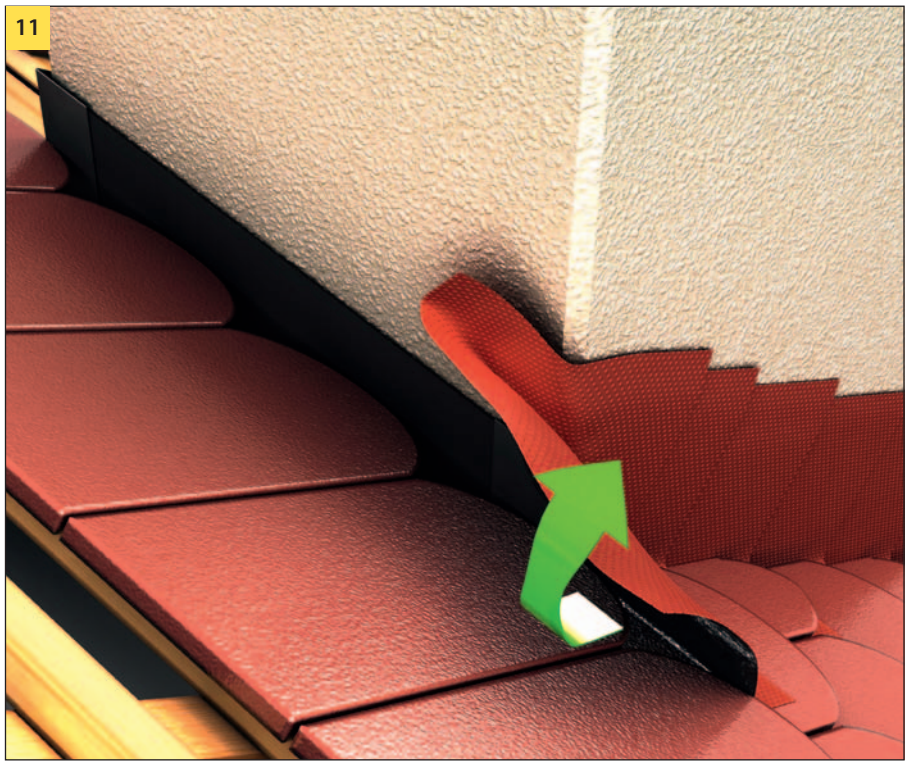
Lateral flashing (cuttings)
(Fig. 9a/Fig. 9b)
Overlapping cuttings should be used.
For flashing heights, see Table 1.
Cuttings should always be applied so that they rest on top of the roof covering.
In roofs covered with plain tiles, cuttings should have a lateral overlap of 80 mm minimum.

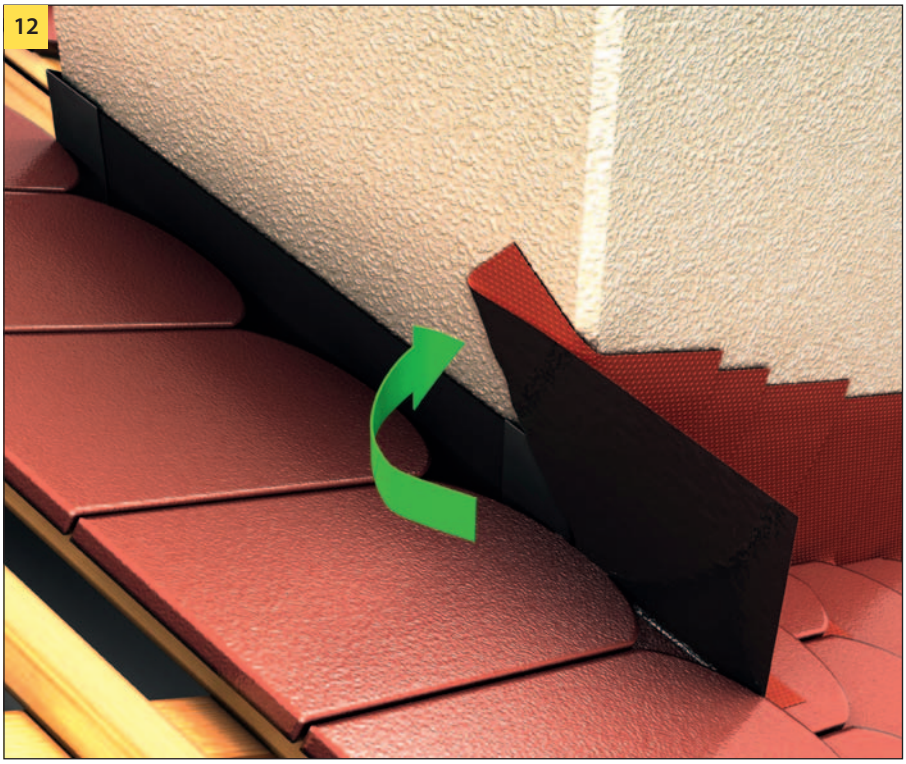
Flashings may be applied either partially covered (e.g. plain tiles, Fig. 9a) or resting visibly on top (smooth tiles, Fig. 9b).

Laying instructions for DELTA®-TOP PAD

(Fig. 10)
Cut cuttings to size.
Trim flashing tape, pull off the protective film and press down.
Fix the upper edge of the cutting.

Ridge-side corners
(Fig. 11)
Fold up the upper cutting along the valley line to form a crease.





(Fig. 12)
Fold the rear part of the crease around the corner of the chimney.

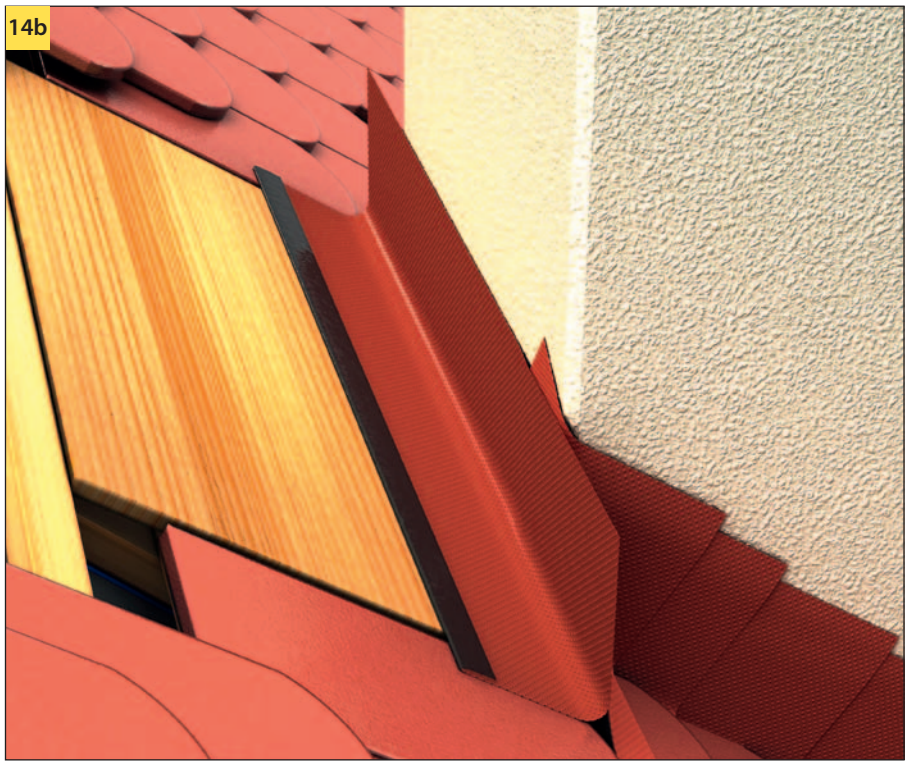
(Fig. 13)
Make a diagonal cut in the laterally-folded cuttings from the chimney corner to the roof covering.

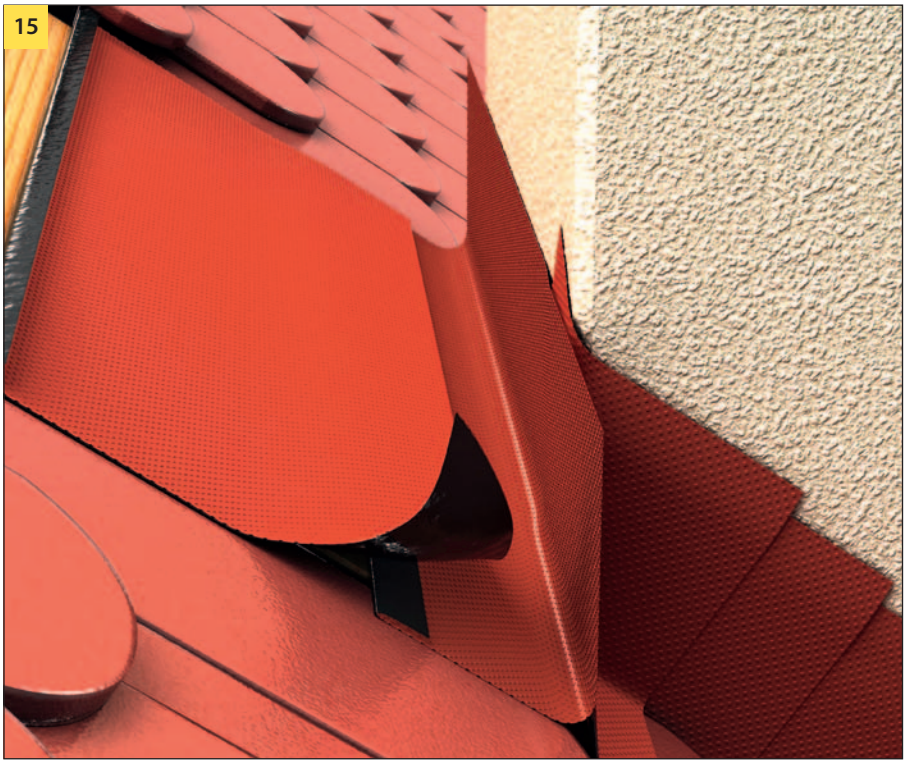
Laying instructions for DELTA®-TOP PAD

Ridge-side flashing
Cut the ridge-side part of the flashing (valley section) to length so that it extends to the ends of the lateral cuttings on top of the roofing material.

(Fig. 14a)
If the roofing material is plain (e.g. crown tiles), the ridge-side flashing may be laid on top of the roofing material.

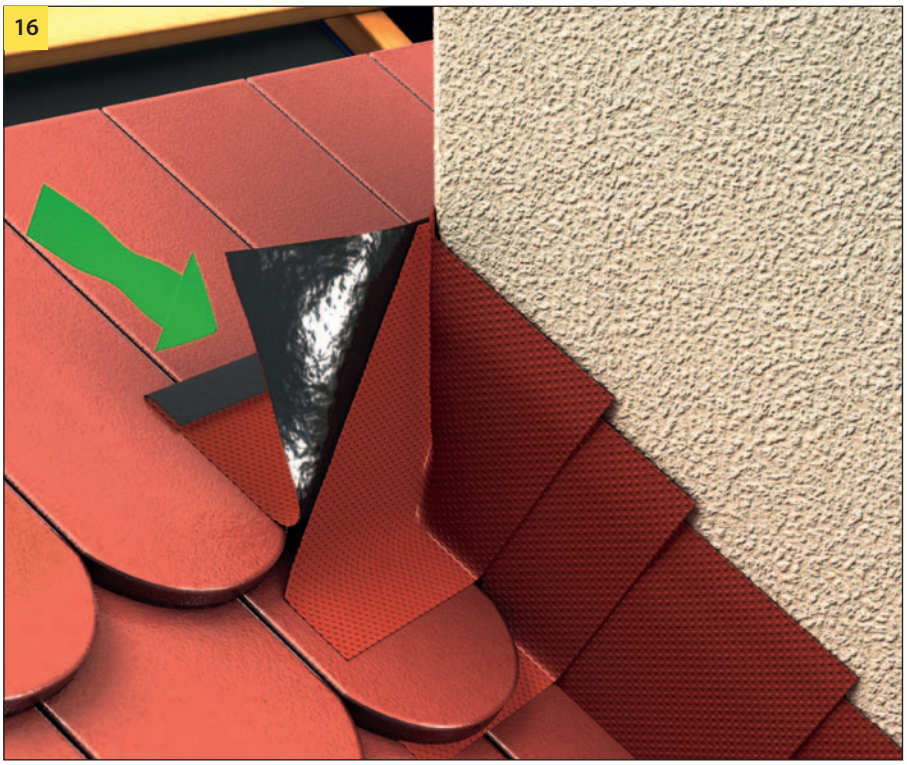
(Fig.14b)
Wherever roofing material has not been installed for lack of space, hard sheathing may be installed instead. At the chimney valley (valley apex), the sheathing should be underlaid so that it rises approx. 0.5 cm above the high point of the roofing material.





(Fig. 15)
If the condition of the roofing requires bridging relatively large gaps, another strip of DELTA®-TOP PAD must be laid on top with an overlap of 8 cm minimum. Bend the upper edge of the underlying valley section of DELTA®-TOP PAD back about 2 cm so that the overlapping and underlying strips can be joined 'glue to glue'.

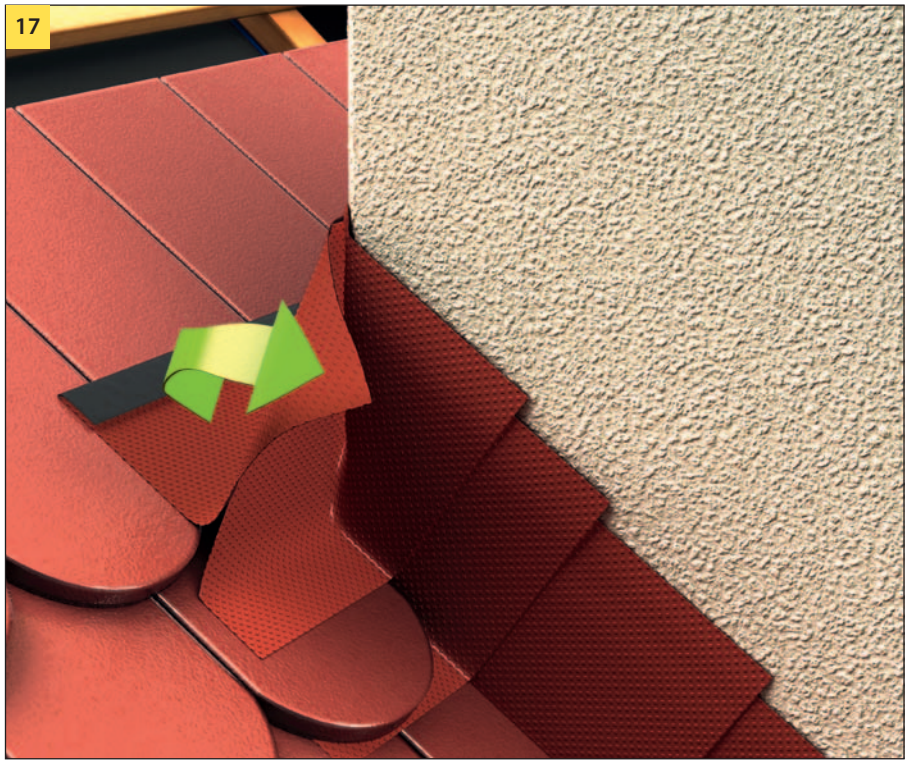
DELTA®-TOP PAD should be covered by the roofing material at least to the length specified in Table 2 (valley-side overlap). Along the upper edge, it should be turned back to a breadth of about 2 cm.



(Fig. 16)
Trim the valley section so that it extends to the outer edge of the lateral cuttings. Pull off the upper part of the protective film, press the tape down and fix the upper edge. Join the valley section and the cuttings 'glue to glue' along the edges.

Laying instructions for DELTA®-TOP PAD

(Fig. 17)
Next, fold the projecting triangles of DELTA®-TOP PAD inward along the diagonal of the lateral cutting.



Please note:
(Fig. 18)
Before using screws and Rawlplugs to fasten DELTA®-TOP PAD to a chimney, consult your local chimney sweeper.

Code extracts:
(5) Continuous overlying flashings made of lead (see Table AI.7) **should only be applied in conjunction with high-profile roofing materials.**

(7) Overlapping, continuous overlying metal flashings must overlap plain roofing materials laterally to a breadth of at least 120 mm. Overlying and overlapping metal flashings made of cuttings must overlap by **at least 80 mm**. In roofs covered with high-profile materials, the metal must cover the nearest high point adequately so as to ensure that water is guided away from the flashing.

Slope range	Roof slope	Minimum flashing height in cm	Ridge-side flashing
≥ 22°	8	8	15
15° < 22°	10	10	15

(Chart 1)
DELTA®-TOP PAD should be covered by the roofing material at least to the length specified in Table 2 (valley-side overlap). Along the upper edge, it should be turned back to a breadth of about 2 cm.

Roof slope	Minimum overlap in cm	
	Gutter-side overlap (over roofing material)	Valley-side overlap (under roofing material)
≥ 22°	Height overlap, see cover	10
15° < 22°	Height overlap, see cover	15
< 15°	Height overlap, see cover	20

(Chart 2)

The cases described in these instructions are examples. Other procedures may be followed if they comply with the generally recognised rules of practice. Any deviations that may be necessary may be agreed with Dörken GmbH & Co. KG on a case-by-case basis.

Object-specific conditions as well as the proper use of our products, which is crucial for success, are beyond our influence. In cases of doubt, check the suitability of our products in in-house tests.

An extensive collection of details as well as standard requests for tender are available at **www.doerken.de** as PDF files for you to print out and save.

DELTA®

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