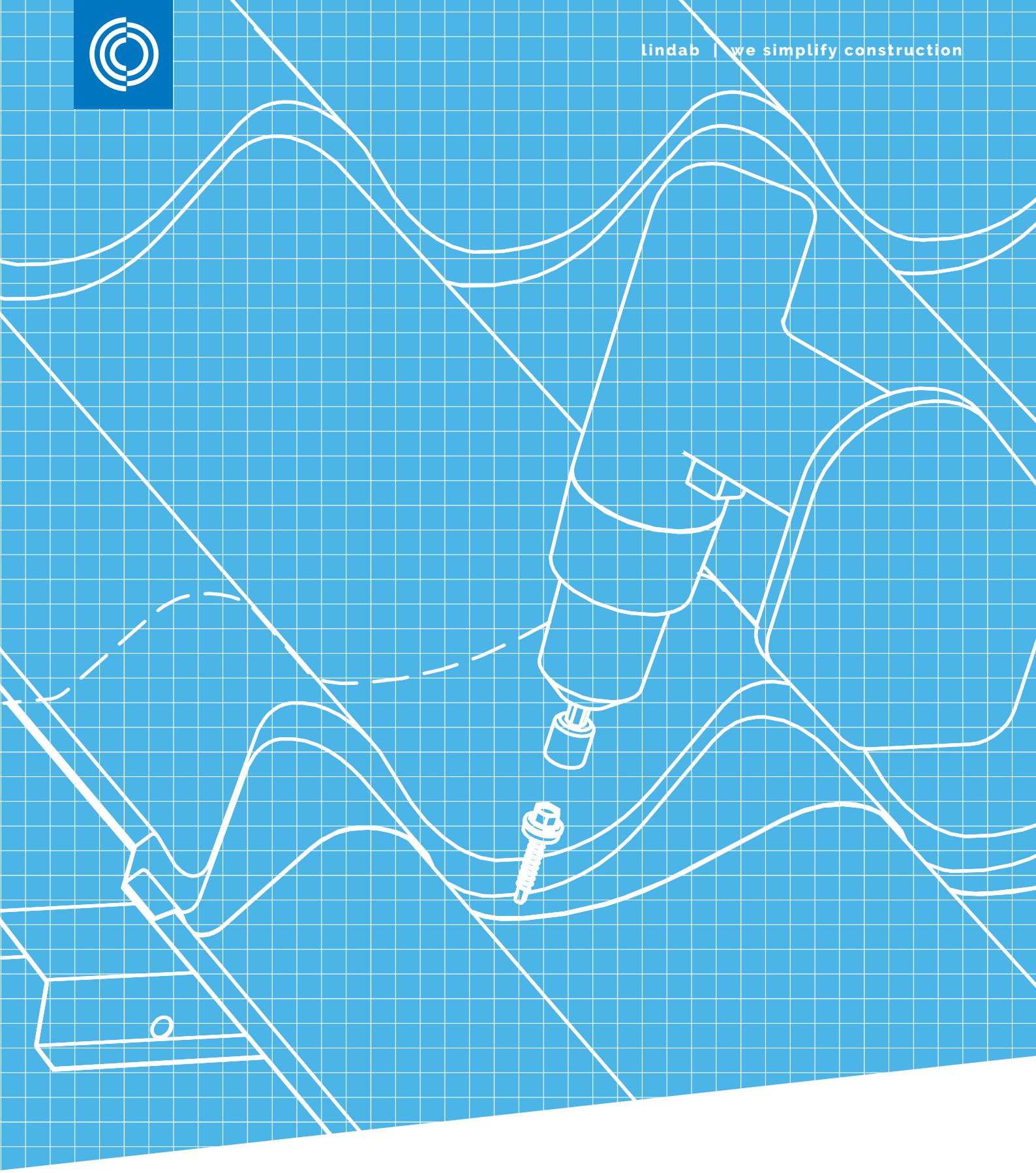
lindab | we simplify construction



Lindab **Tile Effect Roofing**

Lindab Coverline ™

Assembly instructions

Lindab®

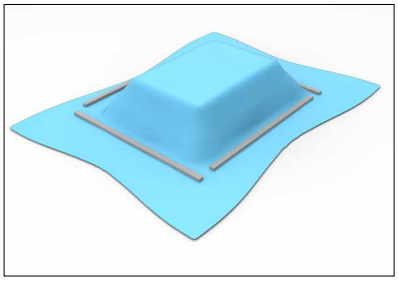
Preparations

Before you start
Make sure that the surface is level. If the surface is rectangular, the diagonals and opposite sides should have the same dimensions. Minor deviations can be adjusted with fittings. The edges must be even at the beginning. Consider how to resolve various openings and other obstructions before starting the assembly.

- Wear work gloves to avoid cuts.
- Attach the sheets immediately. Otherwise, they may blow away.
- Be careful not to slip in rain and during winter.
- Do not stand under the installation site. Loose sheeting and tools can fall down.
- Stacks of steel sheeting are heavy and constitute heavy concentrated loads. Position them near supporting beams.
- Distribute the load on as many profile crests as possible, preferably with wooden battens.
- Cut the sheeting on the ground.

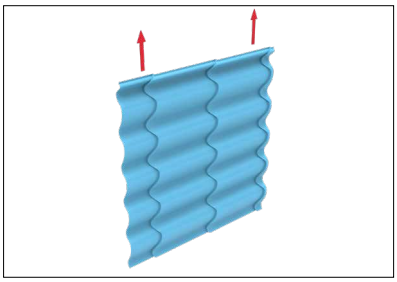
Storage
The sheets must be stored flat, in a dry space with good ventilation, preferably indoors. If stored outdoors, cover them with a waterproof cover. If water leaks in, it may create white spots on the coating. Make sure that the sheet is sufficiently supported and that it slopes slightly lengthwise, as an added safety measure in case water leaks in.

Protect the sheet with a waterproof cover at the workplace.

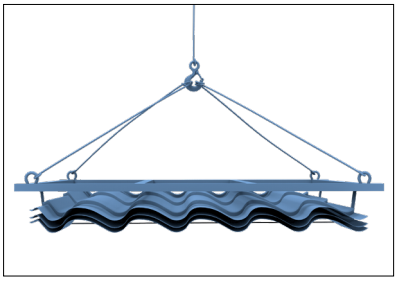


Keep dry

Carrying sheeting
Support the sheeting with the edge up. Be careful if you have to carry the sheeting horizontally. If they are bent in the longitudinal direction, the profile may become deformed. If the sheeting is dropped, he surface can get scratched.

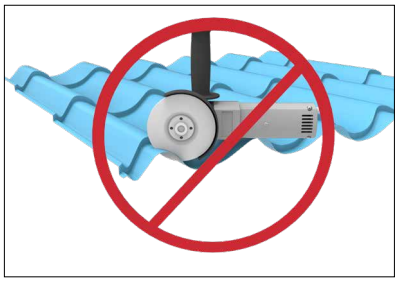


Lifting
When loading, unloading and moving the sheeting, a hoist with a load distributor and a 100 mm wide terylene sling must be used.



Preparations

Cutting to length
If the sheeting has to be cut, use a pair of metal shears or a nibbler. Never use an angle grinder and preferably not a hacksaw, as the sheeting will have very large flawed surfaces, and the abrasive chips will adhere to the surface coating and rust.



Never use an angle grinder.

Finishing of cut surfaces
Cut surfaces must be painted with Lindab touch-up paint to ensure the cladding or roof has as long a lifespan as possible. Use Lindab touch-up sticks.

Cleaning after installation
Metal shavings or filings on the sheet metal cladding or in the gutters must be removed as soon as the installation is completed. They can corrode and cause discolouration.

Maintenance
The hard and smooth surface of Lindab roofing tiles makes it difficult for moss and algae to grow on wall cladding or roof coverings. If you want to keep the sheeting in top condition, wash the roof regularly with water and mild detergent.

Tools



Spirit level



Ruler



Pencil



Nibbler



Folding tongs



Metal shears



Electric screw driver

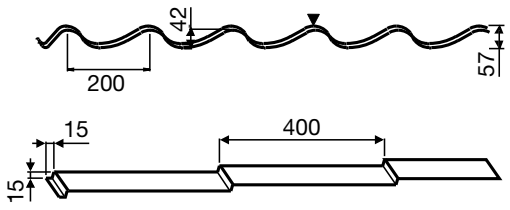
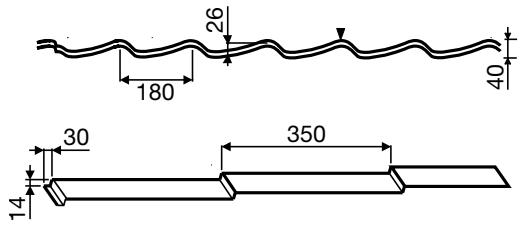
Technical information

Components
A wide range of profiles is available for wall cladding and roofs. Below you will find our profiles. You can also see which sheeting width and which overlap you should use.

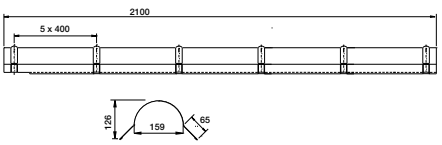
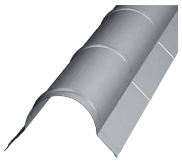
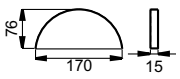
The dimensions of the upper sheet lengths may differ from the module dimensions in the case of tailored lengths.

There are also several different fittings to choose from, see below and on the next page.

Roofing tiles

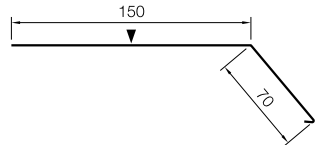
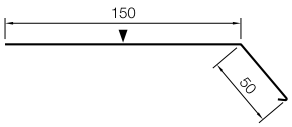
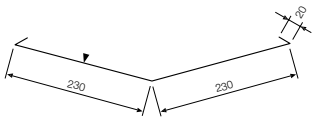
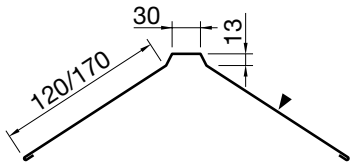
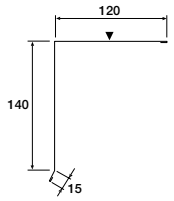
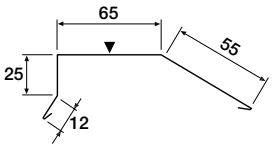
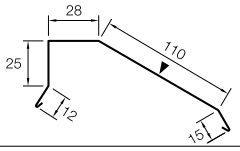
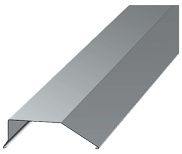
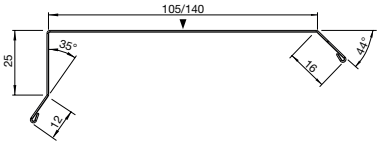
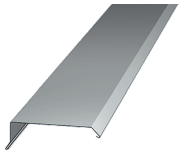
Profile	Dimensions	Batten distance	Overlap	
Torekov LPA		400 mm		
Norrviken LPE		350 mm		

Fittings

Component	Description	Dimensions	
NTP	Ridge capping *Covering length 2000 mm.*		
CTG	End cap for ridge capping		

Technical information

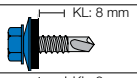
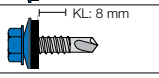
Fittings

Component	Description	Dimensions	
FOTPA	Eaves board		
FOTP	Eaves board		
RD	Valley gutter		
NP120/NP170	Ridge capping		
VISK120	Barge board flashing fittings		
VISK55/VISK110	Barge board flashing fittings	 	
VABR	Weatherboard fittings		

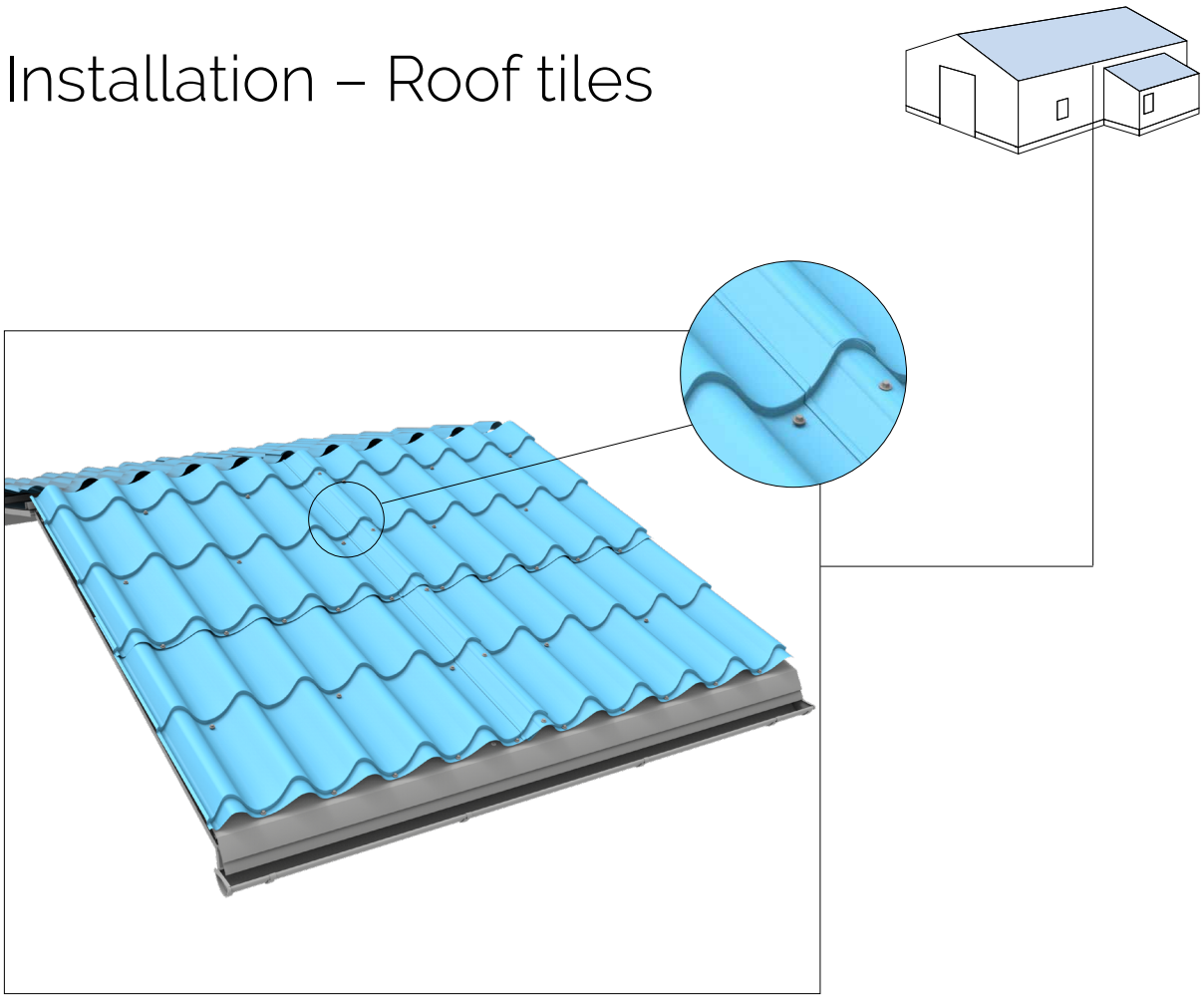
Technical information

Fastening
Use fasteners that are appropriate for the type of profile and substrate you have selected. See the table below for different types of fasteners.

Fasteners

Designation	Dimensions	Drilling capacity	Corrosion class	Stainless steel	Area of application
A13 	4.8 × 35	4 × 0.5	C1–C2		All-round screw for securing steel sheeting to wood (self-tapping)
A31  Marutex®	4.8 × 35	4 × 0.5	C4	•	Outdoor all-round screw for securing steel sheeting to wood (self-tapping)
B21 	4.8 × 20	1.2–2 × 2.0	C1–C2		All-round screw, steel sheeting to light section steel etc.
B62  Marutex®	4.8 × 20	1.2–2 × 2.0	C4	•	External all-round screw for metal-plate in lightweight steel construction/profile.
D14 	4.8 × 19	4 × 0.5	C1–C2		All-round screw for fastening overlapping thinner steel sheeting
D51  Marutex®	4.8 × 19	3 × 0.7	C4	•	External all-round screw for fastening overlapping thinner steel sheeting

Installation – Roof tiles



Substrate
Lindab roofing tiles are installed on steel or wooden battens.
The distance between joists/battens depends on the type of profile.
The batten dimension depends on the climate and terrain. For special climates or special terrain, contact Lindab for dimensioning.

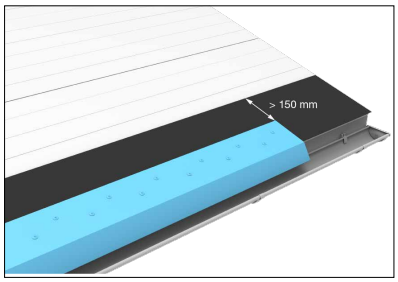
Lindab KLS battens have been used in the following installation instructions.
The roof pitch must be at least 14°.

Installation
Always start with the first sheet at the end and the lower right corner of the roof. The sheeting should be mounted from the bottom and up.
Check that the first sheet is also at right angles to the roof line at the eaves. In the following installation instructions, the base is felt paper with eaves board at the base.
This detail can be carried out in other ways, but the roofing method is the same. If you have any questions, please contact Lindab's local representative. Never walk on the sheeting before it is fully installed – use a roof ladder.

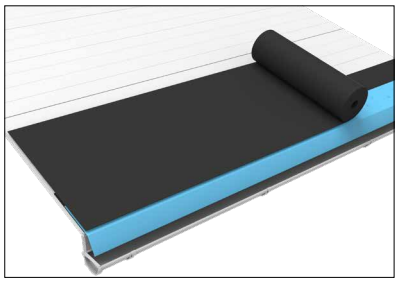
Fastening
Along the eaves, ridges and gables, there must be one screw in each "tile". Each sheet must be completely fastened before starting the next sheet, but the fastening of the overlap can be carried out last.
End overlap: Use self-tapping screws in all tiles.
Other fixings: Use self-tapping screws in every other "tile" and every other "tile row". Shift the fastening one "tile" for each row.
Lateral overlap: Use self-tapping screws in each "tile" at lateral overlaps.
Weatherboard, bargeboard and ridge capping: Use self-tapping screws.

Installation – Roof tiles

Base plate and substrate

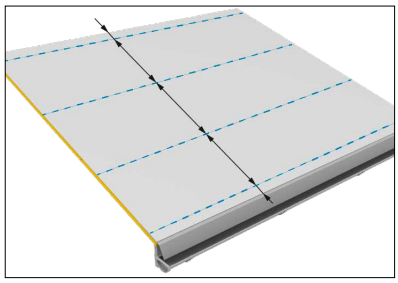


Place a strip of substrate paper on the roof. Install eaves board. Install the screws in a zig-zag pattern.

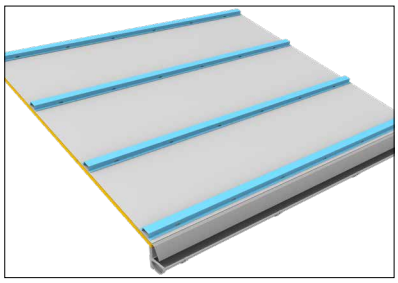


Place the substrate covering on top of the eaves board.

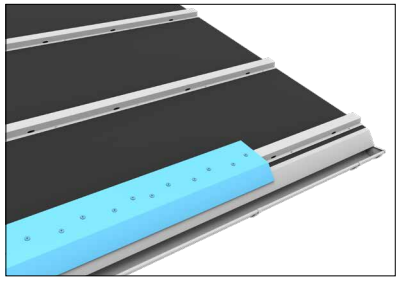
Horizontal batten

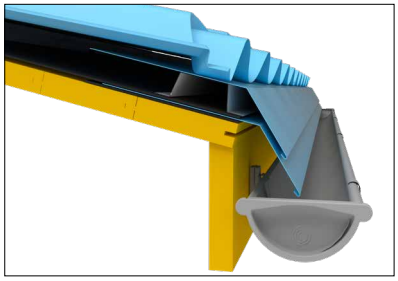


Measure and mark the batten distance. The distance depends on the selected profile, for roof profile LPA cc 400 and LPE cc 350.



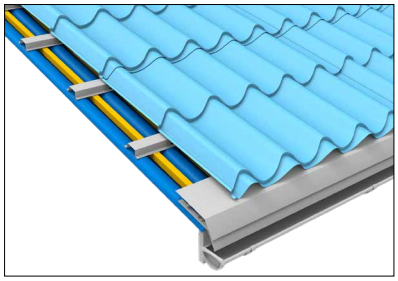
Fasten KLS battens on the roof. KLS does not need horizontal battens as it has a drainage hole for the water. For wooden battens, 25×25 is recommended for horizontal battens and 25×50 for vertical battens.





Use Lindab KLS battens for eaves construction.

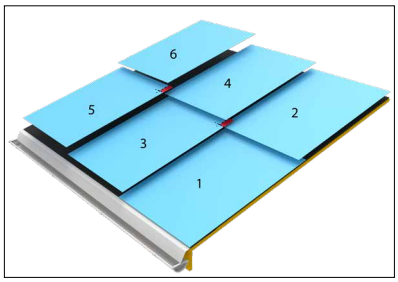
New roof or on top of an old roof



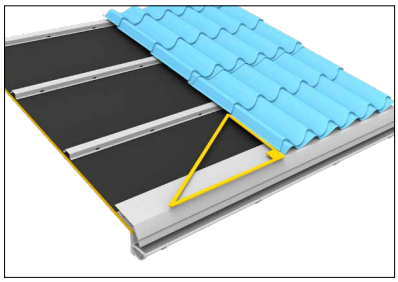
Due to the low weight of the roof tiles, the sheeting can normally be laid on top of an old roof.

Installation – Roof tiles

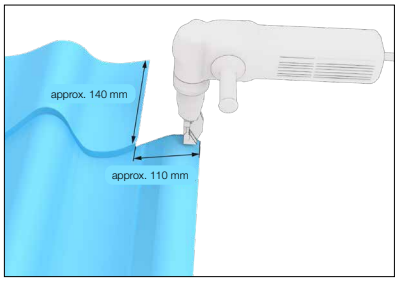
Cladding



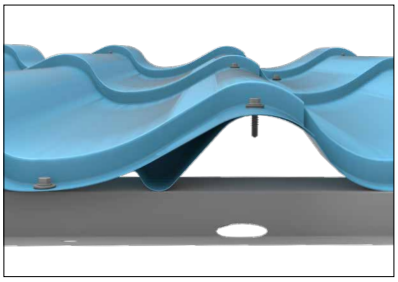
Order of installation



Place the first sheet at a right angle to the eaves.

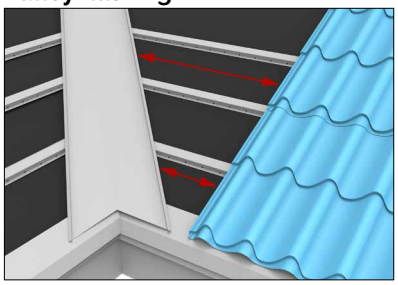


Cut out sheet no. 3 and 5, etc.
NB! This is only done by extending the sheeting.

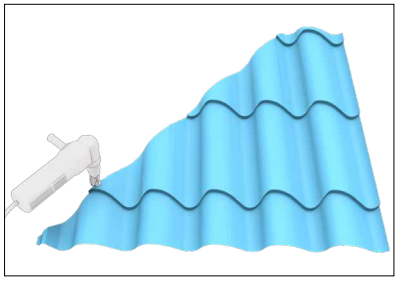


Insert screws as shown to secure overlaps.
If necessary, place an overlap screw
on the top of the profile.

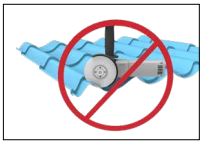
Valley flashing



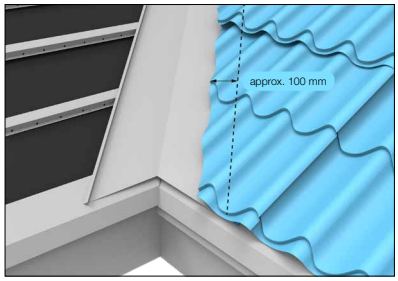
Measure two distances to determine
the correct angle.



Use a nibbler to cut out the sheeting.



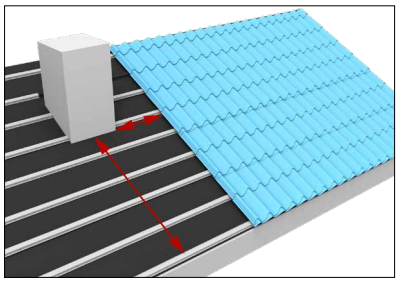
Do not use an angle
grinder.



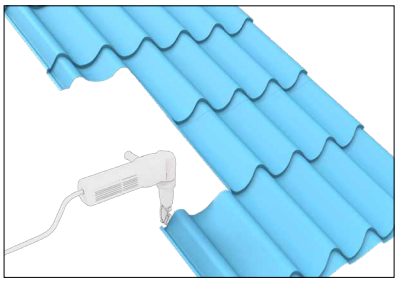
If you order shorter lengths, e.g. for gutter
valleys, order sheeting that matches the pattern
matching so that it corresponds with the ridge.

Installation – Roof tiles

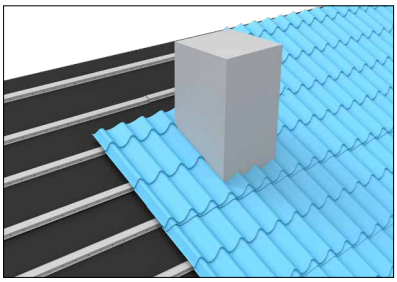
Chimney



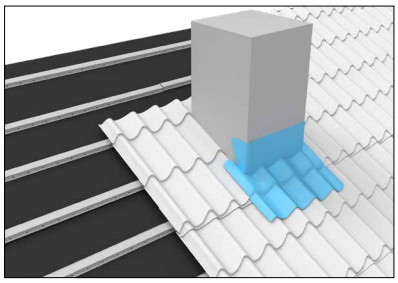
Measure the cut-out surfaces.



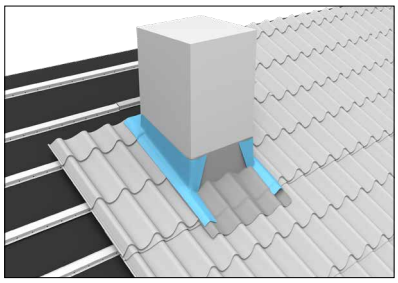
Cut out using a nibbler.

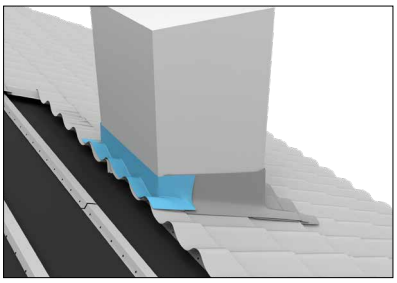


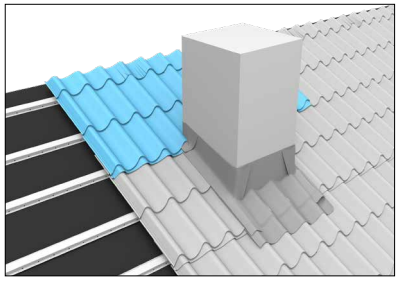
Place the cut sheets around the chimney.



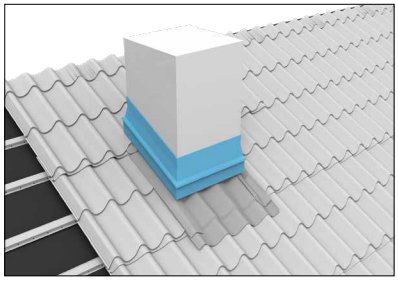
Apply Wakaflex (or similar) around the chimney and the on top of the “tiles”.







Cover the Wakaflex above the chimney with a roof profile.



Seal around the chimney with sheet metal.

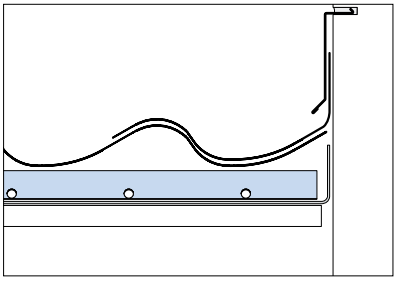
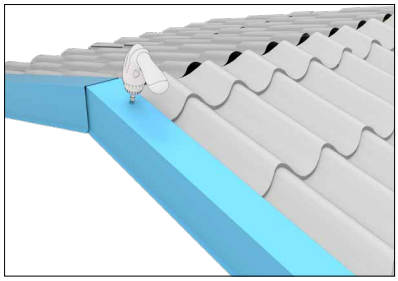
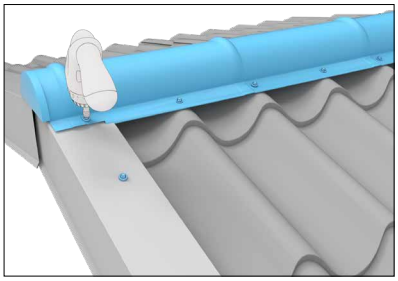


Illustration of chimney.

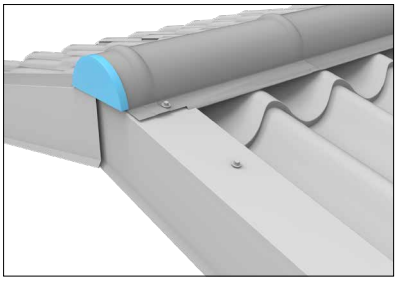
Fittings



Use Lindab VISK weatherboard fittings to cover the roof ends, attachment cc 400 mm.



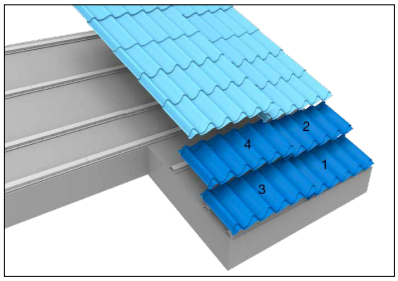
Use Lindab ridge capping and sealing strip, attachment cc 300 mm.



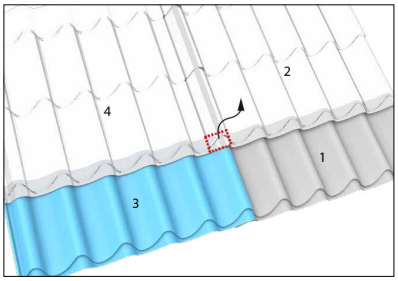
Do not forget the CTG end stop.

Installation – Roof tiles

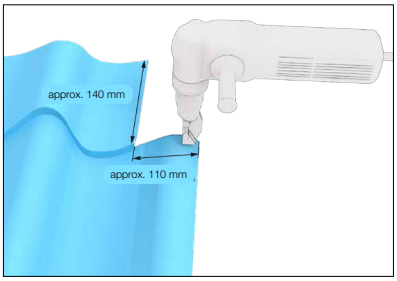
Offset eaves



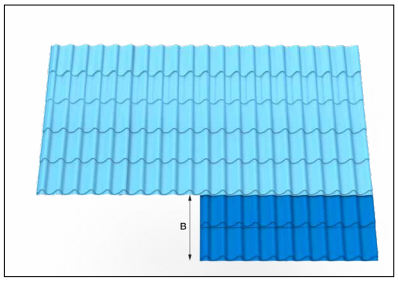
Order sheeting for the entire roof side.
The protruding roof section is then covered with single-module pieces: LPE length 480 mm or LPA length 540 mm.



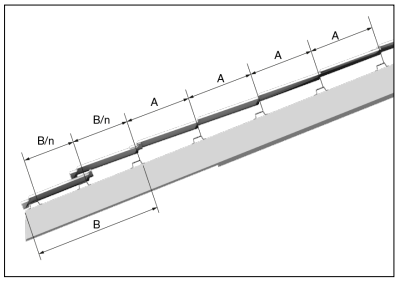
Place plate no. 1 followed by no. 2.
Cut-outs are made in plate no. 3.



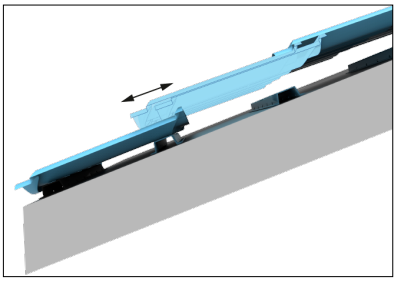
Cut-outs are made in plate no. 3.



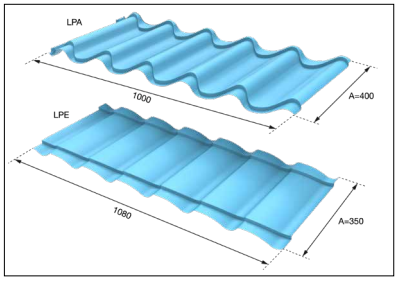
The number and length of single-module tiles are adapted to the B dimension.



The number and length of single-module tiles are adapted to the B dimension.



Allow single-module pieces to overlap more than usual, and thus the length of the sheets will be adapted to the length of the roof.
NB! Bear in mind that the batten distance is less than 350 and 400 mm respectively on the single module pieces.



Single-module sheeting LPA and LPE.



Most of us spend the majority of our time indoors. Indoor climate is crucial to how we feel, how productive we are and if we stay healthy.

We at Lindab have therefore made it our most important objective to contribute to an indoor climate that improves people's lives. We do this by developing energy-efficient ventilation solutions and durable building products. We also aim to contribute to a better climate for our planet by working in a way that is sustainable for both people and the environment.

Lindab | For a better climate

2024-09-20

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