

**Any questions?
Looking to start a new project?**

Contact us today and we'll put you in touch
with our efficient network of distributors.

www.onduline.com



Download and open barcode
scanner application.
Point your phone's camera
at this code and scan.

ONDULINE®
35, rue Baudin
92300 Levallois-Perret
FRANCE

Onduline s.a. Société anonyme à directoire et conseil de surveillance
au capital de 11.323.485,05 € R.C.S. Nanterre 552 088 361

ONDUVILLA
by **Onduline®**

Brochure Roofers

ONDUVILLA®

**> A UNIQUE ROOFING SOLUTION TO DIVERSIFY
YOUR OFFER AND BOOST YOUR ACTIVITY**

ONDUVILLA
by **Onduline®**

Agence: V&S SR - 04/2014 - Printed with plant-based ink
by an Imprim'Vert printer on sustainable resources - 8119 - Copyright: iStock, Shutterstock.



ONDUVILLA® is great for your customers...

Convincing customers is easy

When you propose ONDUVILLA®, you've got a great story to tell. It's a **truly unique roofing solution and a complete system**, offering customers reliability, brilliant aestheticism, thermal and acoustical comfort, and a wide choice of colors and looks. And all that at a reasonable price from a brand they can trust. That's what great value is all about!



AESTHETIC



WATERTIGHT



ACOUSTIC-FRIENDLY



THERMAL-COMFORT



LIGHTWEIGHT



ECO-RESPONSIBLE



Offer outstanding reliability

Rapid installation means your customers enjoy **quick and reliable protection**. And ONDUVILLA® tiles deliver total peace of mind over the long term, too. They require very little maintenance, and their durable build offers outstanding wind resistance and **long-lasting waterproofing**.

In fact, as a testimony to their high reliability, ONDUVILLA® tiles come with a 15-year waterproof guarantee plus a lifetime guarantee against corrosion.

Leak-free guaranteed



Backed by exclusive Onduline® SealSmart™ technology, the elasticity of ONDUVILLA®'s composite material allows it to shrink firmly around each nail, creating a permanently leak-resistant barrier. And the waterproofing is secured thanks to double-embossment technology at the overlaps.



Onduline®
SEALSMART™



Overlapping
guides

Technology certified through laboratory and field tests.

Give them superior comfort



They also help to absorb sound inside, thus reducing echoes and offering greater interior comfort.

More than just aesthetically pleasing, ONDUVILLA® tiles are designed to make sure your customers are always **happy and comfortable** under their newly renovated roof. In hot and sunny climates, they offer higher **thermal comfort** compared to metal tiles. And they deliver excellent **acoustical performance** to reduce outside noise, like heavy rainfall, air traffic and loud vehicles.



When building my new home, I couldn't decide between ONDUVILLA® and the metal tiles my neighbors recommended. But I'm sure glad I chose ONDUVILLA®. When the sun is hot, my family and I benefit from **thermal comfort** while it's roasting at their house. Now my kids' friends prefer to play over at our place. Also, my new roof **softens the noise** when it rains, so we don't have to blast our TV to hear it! And I love

the clay-tile look of my roof. It's not flat and basic-looking like the others. It stands out and I'm proud of it. In this region, we've had huge problems with earthquakes. But with the light weight of ONDUVILLA®, my family and I **feel a lot safer!**

Isabel
Gonzalo
CHILE



“with
ONDUVILLA®,
offer your customers a reliable,
high-quality
solution
at an
affordable price!”

An aesthetic solution to stand out!

When designing or renovating a building, homeowners and institutions are putting more and more consideration into aesthetics. And they're looking for a **unique solution that displays character**. The ONDUVILLA® roofing system lets you offer them an original touch. These tiles boast an **attractively designed Mediterranean look** and are available in a large choice, composed of standard colors and shades, but also **innovative shaded colors** enhanced by a **3-tone painted system**, which imitates traditional clay tiles. They'll really enjoy the large choice!



ONDUVILLA® is smart for your business...

Easier to master

Little training is required. And in addition to a complete, intuitive installation manual, we provide **training sessions** to our roofers as well as our distributors' sales force. ONDUVILLA® tiles are easy to handle and cut, with no need for special equipment.



Easier to adapt

Thanks to the light and flexible materials, they're ideal for building renovations, and **they fit** seamlessly **with all standard roof structures**, including metallic battens, wooden and concrete decks.



Easier to ensure safety

Because they're easy to cut, installers are ensured **less risk of injury**. Thanks to their flat surface, **it's easy to walk on the roof and avoid damage**. ONDUVILLA® offers outstanding wind resistance and improves safety during earthquakes.

Easier to transport

With their **light weight**, you can transport more on a truck than with metal tiles. And unlike fiber cement, clay and concrete tiles, ONDUVILLA® solutions are **shock-resistant** – ideal for bumpy roads!



Easier to save money

Unlike shingles, ONDUVILLA® tiles don't require a continuous wooden support or a waterproofing membrane. And because installation is so simple, **less manpower is required**.



“Easy to master
and quick
to install”

The highest standards delivered!

You can count on total regulatory compliance with building codes. And when it comes to meeting high standards, ONDUVILLA® solutions work just as **hard for the environment...**

- Natural pigments are used for coloration
- Products contain no traces of asbestos
- Materials composed of recycled fibers, verified by a third party (ICC_ES), whose certificates can help for LEED
- Ecological lifecycle performance



“ I love putting up ONDUVILLA® roofs. This system makes **everything simple** on the worksite. The tiles are safe and easy to handle and very fast to install without having to go search for specific components. I often have a hard time finding qualified roofers, but with ONDUVILLA®, training is really fast, and my teams are **quickly operational**, which saves me time and helps me be competitive.

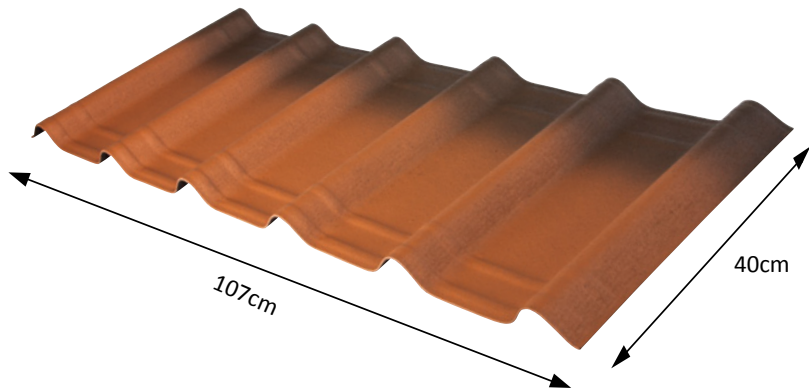
Quite frankly, I've gotten used to recommending ONDUVILLA® to my customers, because I believe it's best adapted to their needs. It's perfectly **waterproof** and **robust** but also **aesthetically pleasing**. It's also very reliable in terms of thermal comfort and acoustic performance. My customers are always thrilled with the results, and that makes me just as happy!



Ali
Kerveli
TURKEY

“ If **YOU CAN** make
my **job easier**,
then we're
in business!”

ONDUVILLA®, a great design



Length	107cm
Width	40cm
Wave height	38mm
Surface covered per tile	0,31m ²
Tiles per m ²	3,23pcs
Weight per tile	1,27kg
Weight per m ²	4kg
💡 Carbon footprint	4kg eq CO ₂ /m ²

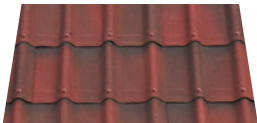
Carefully developed by our designers, ONDUVILLA® tiles boast an attractive Mediterranean-style look with a clay-tile resemblance, offering clients a truly **aesthetic solution** and a great value at an affordable price!

3D

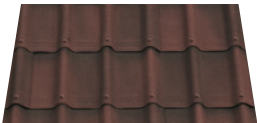
IMPROVED 3D EFFECT!
For a selection of painted colours, horizontal shadows are cleverly painted on to give the thick, distinctive, raised appearance of traditional Mediterranean roofs.

Discover a wide choice of colors

PIGMENTED COLORS



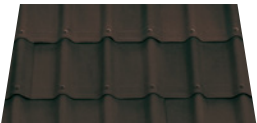
Shaded Red



Shaded Brown



Shaded Green



Anthracite Black

PAINTED COLORS



Forest Green 3D



Classic Red 3D



Fiorentino 3D



Terracotta 3D



Slate Grey



Ebony Black

Great for all types of buildings

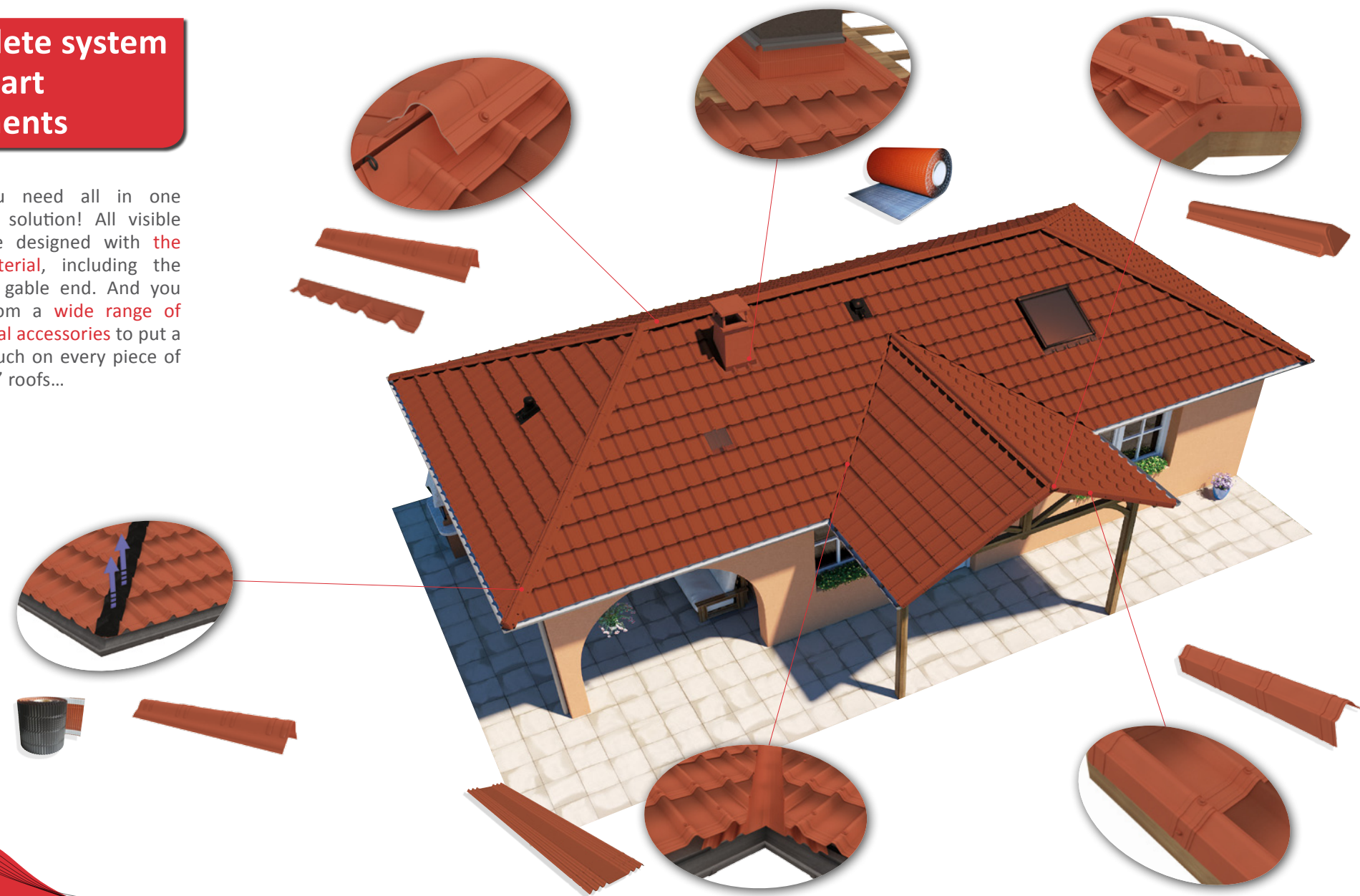
“ An aesthetic solution
you’re **sure** to be
proud of! ”





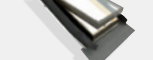



ONDUVILLA®, a complete roofing system...

A complete system with smart components

Everything you need all in one comprehensive solution! All visible accessories are designed with **the same tile material**, including the ridge, hip and gable end. And you can benefit from a **wide range of smart, functional accessories** to put a professional touch on every piece of your customers' roofs...



	PRODUCT	DESCRIPTION	COLORS	DIMENSIONS
	Slim cap	Cap for ridge and hips, for roofs with a pitch up to 120% (≥50°).	10 colors	107 x 17,5cm
	Closure cap	Designed for the finishing of ridge and hip lines (pitch up to 120%).	10 colors	107 x 17,5cm
	Apron piece	Designed to provide watertightness and ventilation to the ridge line. Can also be used to seal the gap between tiles and vertical wall abutment.	10 colors	102 x 14cm
	Verge piece	Designed to provide a neat weatherproof seal at the edge of the roof. Can be used for both sides right/left.	10 colors	104 x 10,5 x H11,4cm
	Standard ridge	Universal solution for ridge and hip. Does not require additional waterproofing device.	10 colors	90 x 50cm
	Valley	Used to collect rainwater flowing into the valley area. 3 corrugated barriers on each side.	5 colors	200 x 43,2cm
	Ondulair Slim	Solution made of perforated aluminium, which provides watertightness and ventilation at hips.	Black	15cm x 5m
	Flashing Band	Aluminium self-adhesive flashing band, used for the waterproofing of chimneys and wall abutments.	6 colors	30cm x 2.5m
	Ventilation pipe HV110	Used for the mechanical ventilation of the living space. Other colours matching the tiles, available on request.	Black	40 x 48cm
	Roof vent LV125	For the natural ventilation of the roof space. Ventilation surface 12,500 mm². Includes a grille for snow and insect protection. Other colours matching the tiles, available on request.	Black	40 x 48cm
	Clear tile	Transparent tile (polycarbonate) to bring natural light into the living space. Thickness 2,5mm. Installed like a standard tile (pre-drill a hole of diameter 6mm).	Clear	49.6 x 40 cm
	Skylight ONDULINE	For an easy access to the roof, and natural sunlight into the living space. Man hole 43,2 x 46,8 cm. Black PE. Onduline® profile, installed with ONDUVILLA® adapter.	Black	82,5 x 66,9cm
	ONDUVILLA® adapter	Designed as a connection element between Onduline® skylight and ONDUVILLA® tiles. 2 adapters per skylight.	Black	66,5 x 27,5cm
	Skylight STAR E22	For an easy access to the roof, and natural sunlight into the living space. Manhole 45 x 55 cm. Universal profile, double glazed 8-3-8 mm.	Grey	77 x 70cm
	Corrugated ventilated filler	Barrier to prevent birds and other animals from entering into the roof space (at the eave and ridge), and allows ventilation.	Black	61cm
	Universal ventilated filler	Barrier to prevent birds and other animals from entering into the roof space through the valley. Allows ventilation.	Black	100cm
	Monobloc nail	Monobloc nail, with round plastic head, used for wooden supports.	7 colors	70mm (effective)
	Monobloc screws	Self-drilling screw, used for metallic battens and wooden supports.	8 colors	70mm (effective)

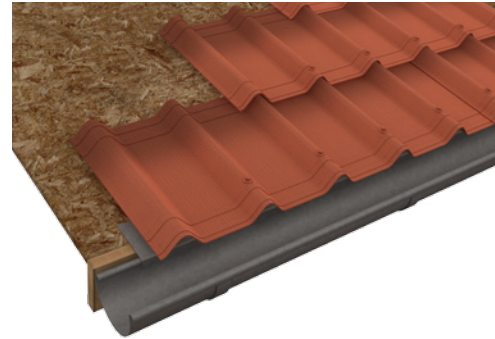
ONDUVILLA® fixing guide

SUPPORTING STRUCTURE

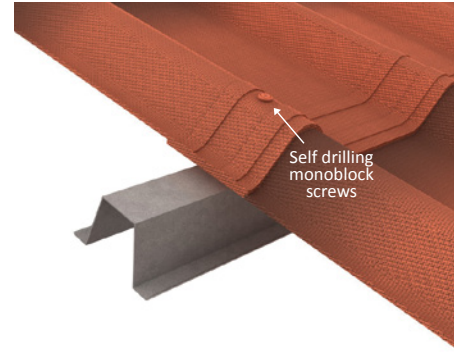
ONDUVILLA® can be installed on all standard roof structures.



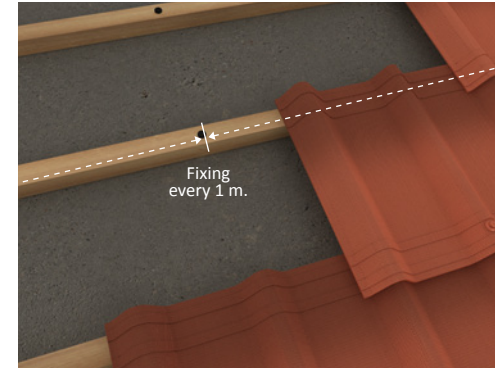
Wooden battens



Wooden deck (for example OSB)

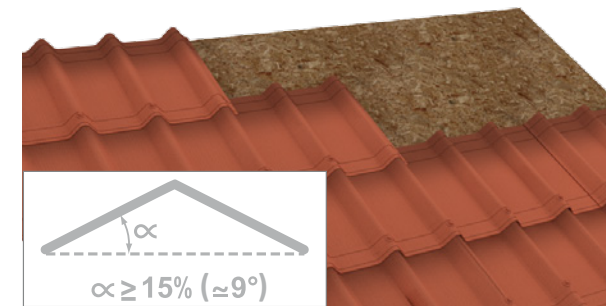


Steel battens



Concrete slabs

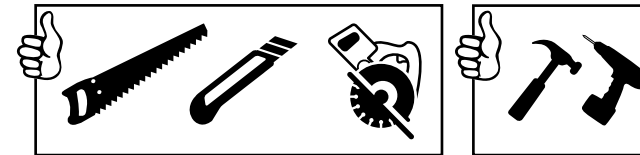
MINIMUM PITCH: 15% (≈ 9°)



For pitches below 30%, ONDUVILLA® tiles should be installed on a full deck.

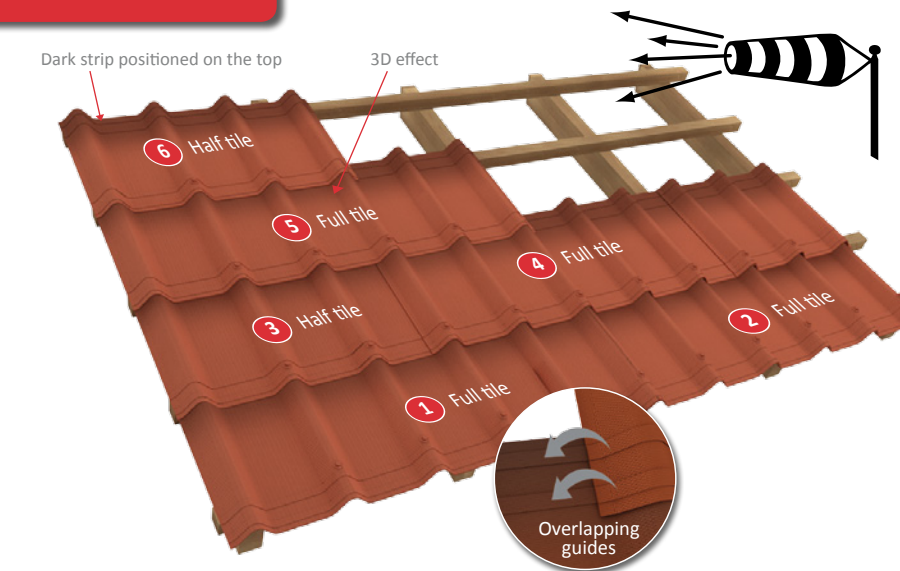
INSTALLATION TOOLS

The cutting of the tiles can be made either manually with a hand cutter or saw, or with an electrical saw.



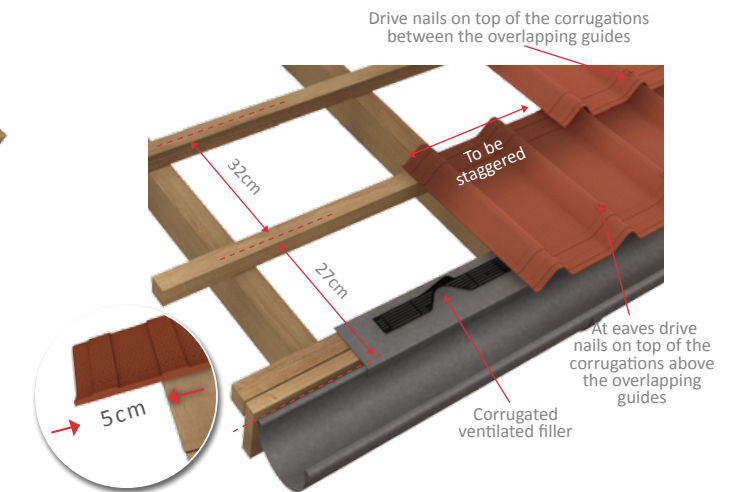
INSTALLATION PRINCIPLES

Start installation at eave, in the opposite direction of the prevailing wind. In the case of tiles with a shadow line, position the dark strip on top. Stagger the rows, by starting the second row with a half tile. Horizontal overlaps are one corrugation. Ensure proper waterproofing by aligning the overlapping guides.



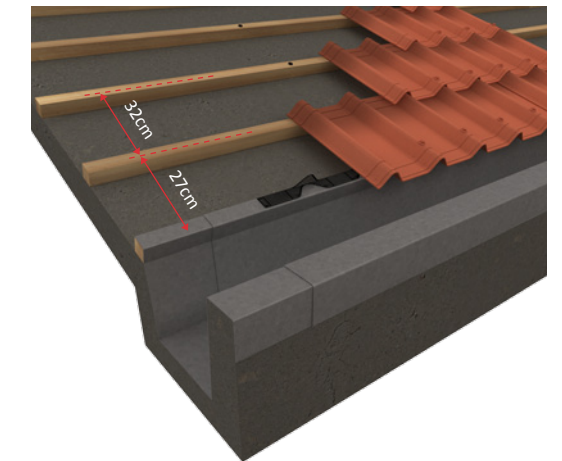
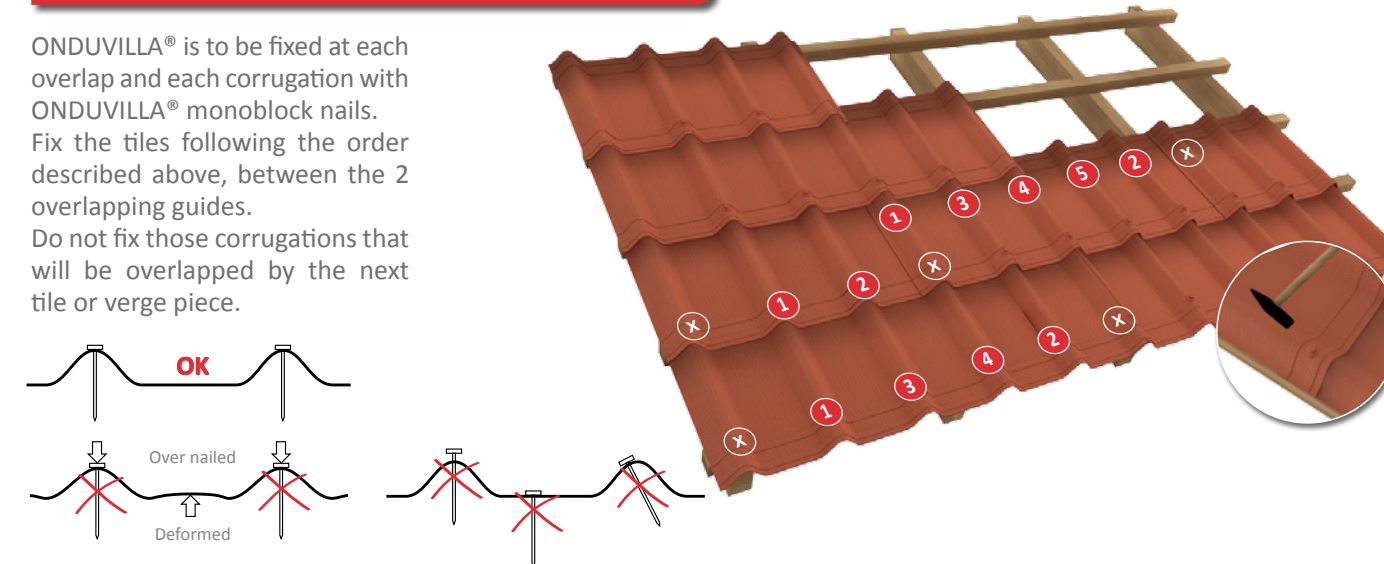
EAVES

Due to ONDUVILLA®'s overhang, the distance between the first and second battens is reduced (27cm instead of 32cm).

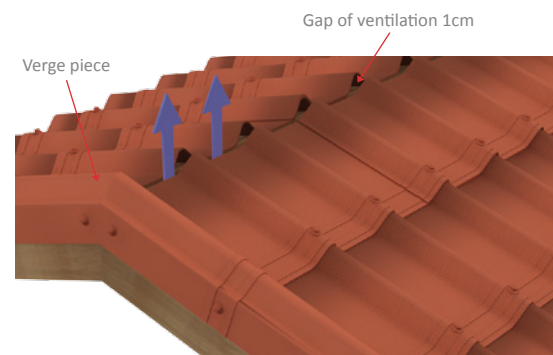


FIXING

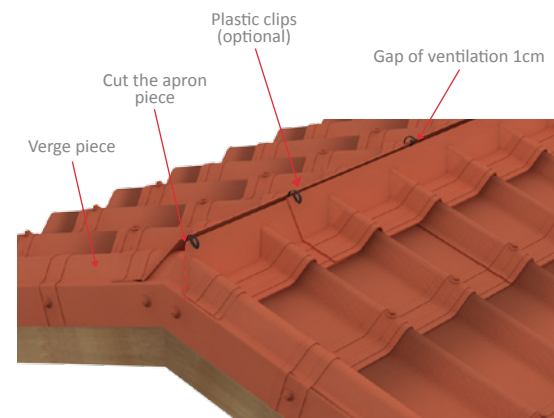
ONDUVILLA® is to be fixed at each overlap and each corrugation with ONDUVILLA® monoblock nails. Fix the tiles following the order described above, between the 2 overlapping guides. Do not fix those corrugations that will be overlapped by the next tile or verge piece.



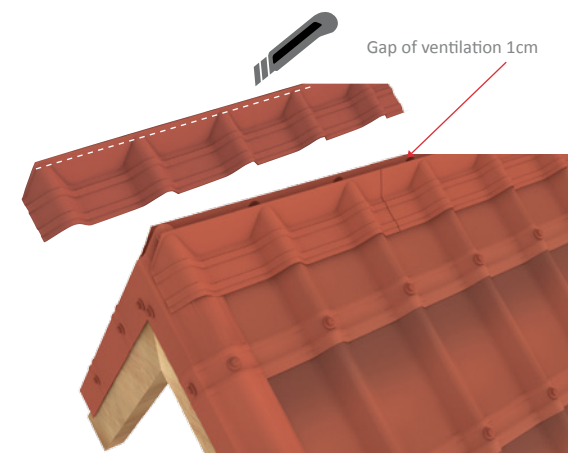
RIDGE FOR PITCH BELOW 120% (50°)



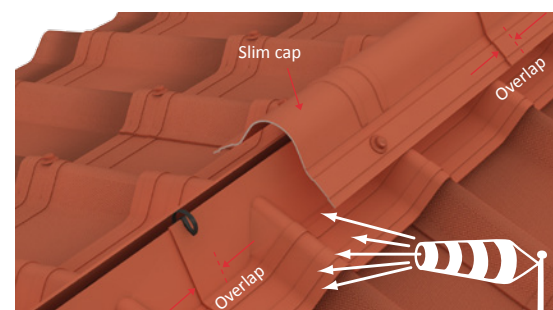
- 1 At low pitches a ventilation gap of 1 cm is necessary between the flat parts of ONDUVILLA® tiles. Fix the VERGE PIECE before the installation of the elements of the ridge.



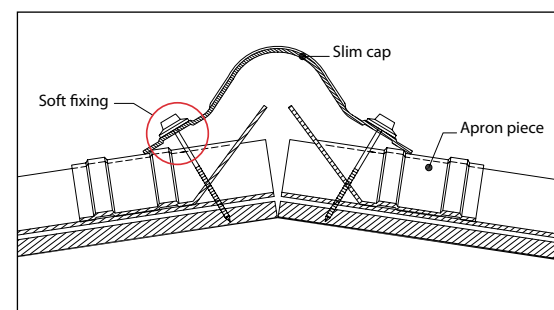
- 2 The APRON PIECE is installed on both sides of the roof to secure watertightness. At the verge, the APRON PIECE has to be cut on site parallel to the last corrugation of the tile.



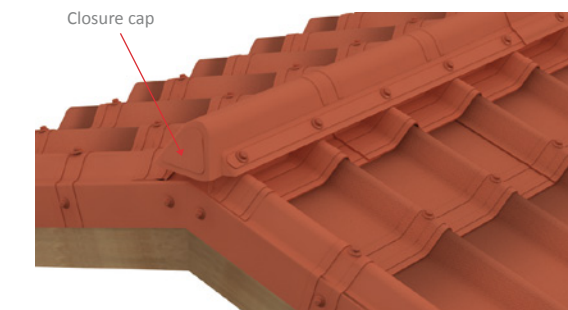
- 3 For pitches above 70% (35°), it is necessary to cut the flat part above the corrugations.



- 4 Like the tiles, also APRON PIECES and SLIM CAPS are to be overlapped against prevailing wind.

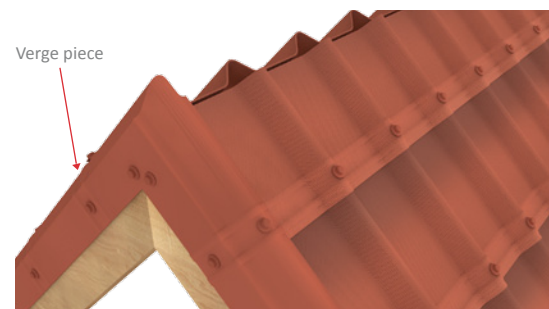


- 5 At low pitches (below 30%), soft fixing is recommended in order to avoid the possible deformation of the SLIM CAP.

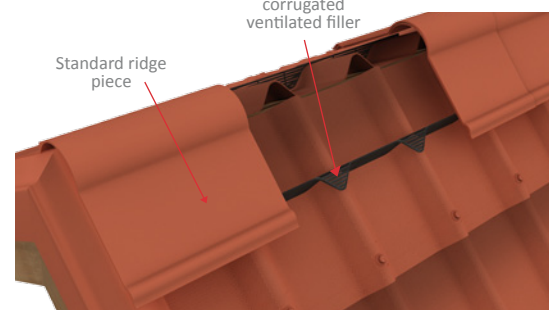


- 6 The CLOSURE CAP is used for the finishing of the ridge line.

RIDGE FOR PITCH ABOVE 120% (50°)



- 1 The SLIM CAP can be used for pitches up to 120%. Above that limit, the standard ridge piece should be used.

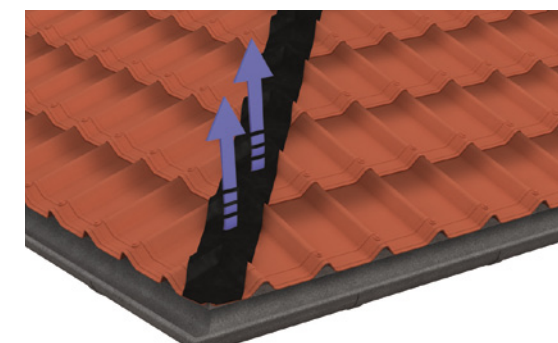


- 2 The Corrugated ventilated filler supports the standard ridge piece, and allows to prevent birds or others animals from entering into the roof space.

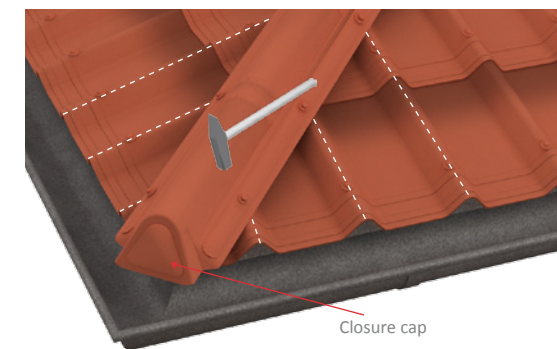
HIP



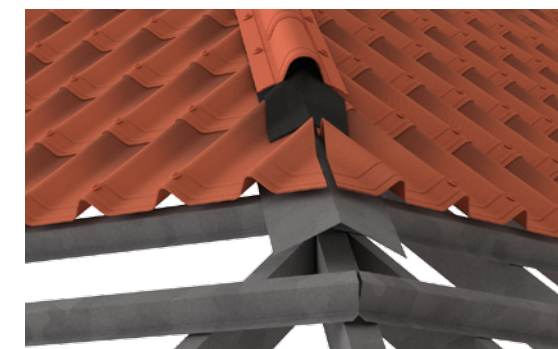
- 1 Carefully cut the tiles to have a gap of 1 cm between both sides.



- 2 Apply the ONDULAIR SLIM membrane, which secures both waterproofing and appropriate ventilation.

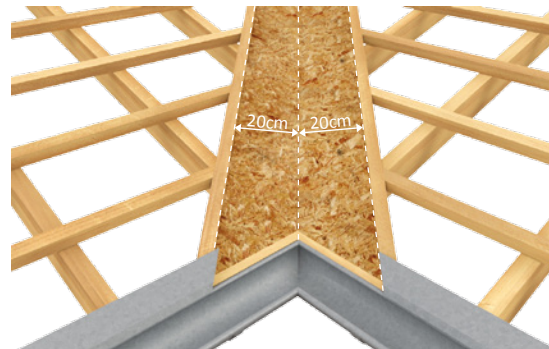


- 3 Fix the SLIM CAP and CLOSURE CAP always on top of the corrugations of ONDUVILLA® tiles. As per the ridge, soft fixing is recommended at low pitches.

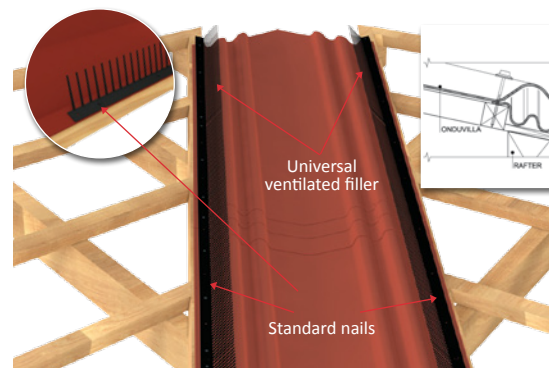


- 4 In the case of a metal structure, install a steel L-profile which will be used as a support for the hip system.

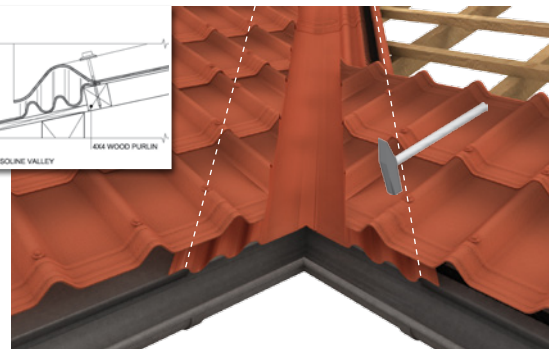
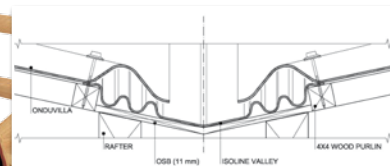
VALLEY



- 1 Prepare the support by using wooden boards.

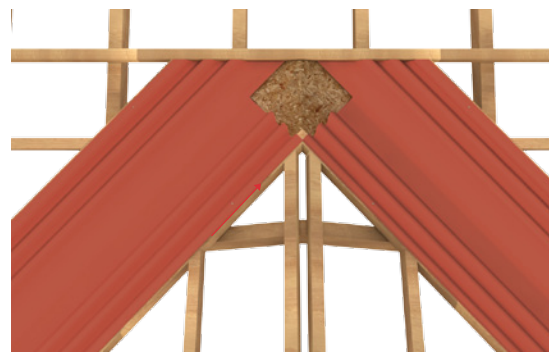


- 2 Position the valley, and fix it with standard nails (flat head). A universal ventilated filler can be added, to prevent birds or other animals to enter into the roof space.

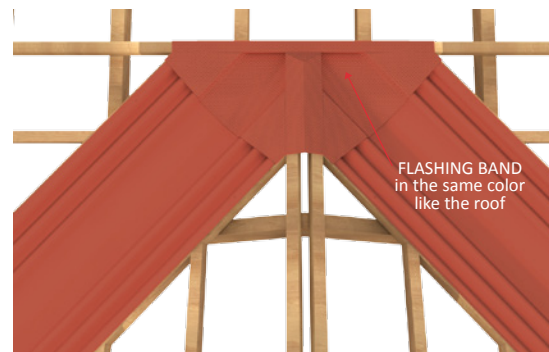


- 3 Fix the nails on top of corrugations, into the supporting batten.

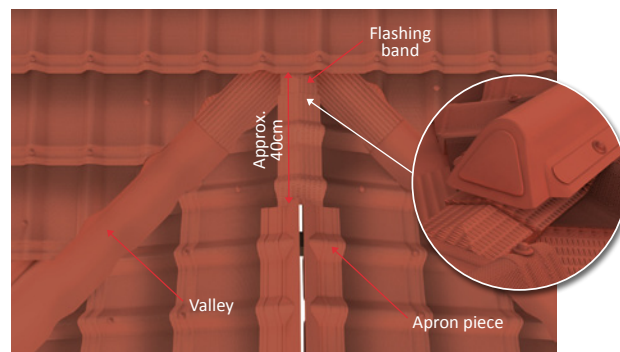
VALLEYS TO RIDGE



- 1 Cut the valleys and fix them with standard nails. The empty surface will be used to glue the waterproofing solution to the wooden boards.

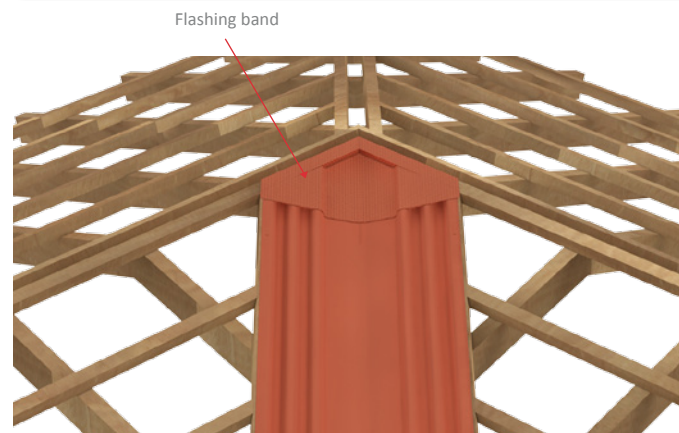


- 2 Prepare and cut the appropriate shape and surface of FLASHING BAND membrane, and apply it with care to ensure secured waterproofing.

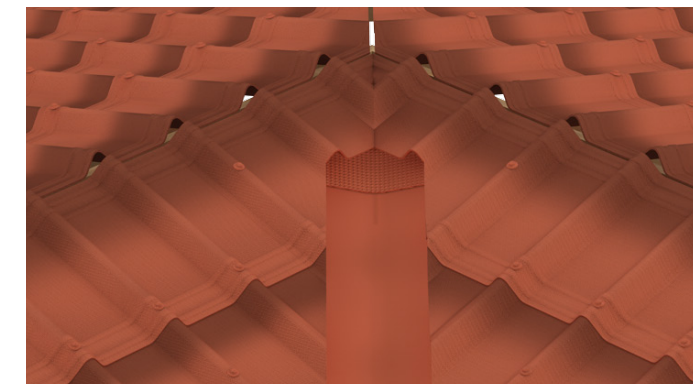


- 3 At the ridge, before fixing the CLOSURE CAP, apply a strip of FLASHING BAND (width 15cm) for the first 40cm and use APRON PIECES for the rest of the ridge line.

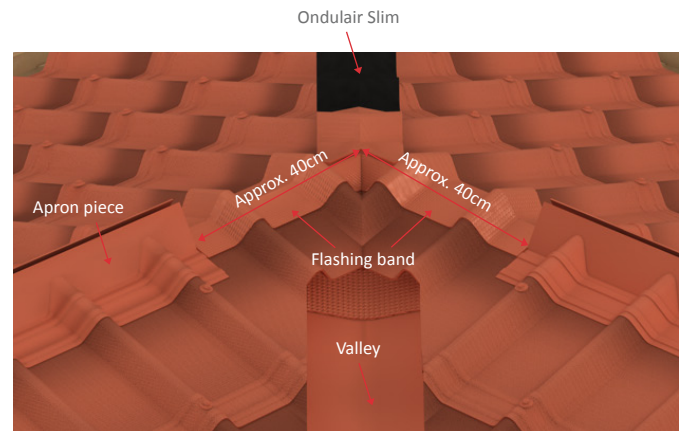
HIP AND VALLEY TO RIDGE



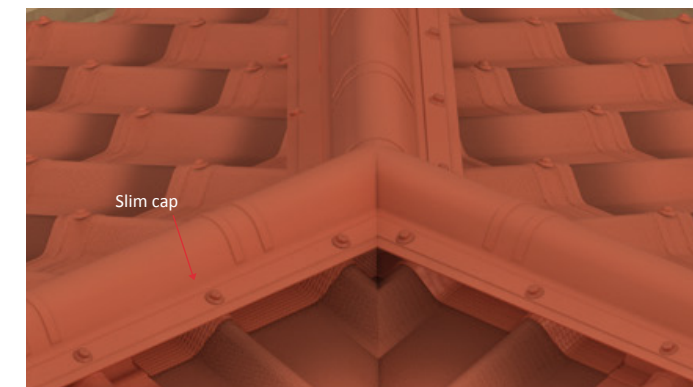
- 1 Cut and install the valley, and secure waterproofing with FLASHING BAND.



- 2 Install all ONDULILLA® tiles.

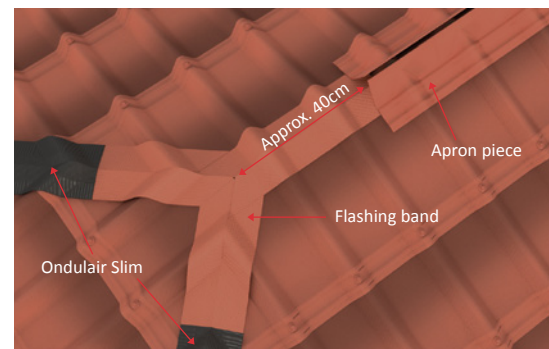


- 3 Install APRON PIECE at ridge, ONDULAIR SLIM at hip, and a strip of FLASHING BAND (width 15cm) at meeting point.

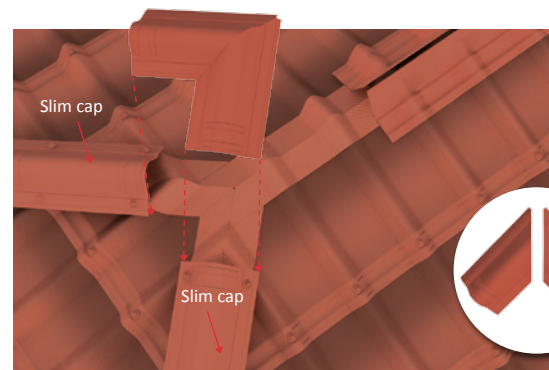


- 4 Cut the SLIM CAPS so that they touch each other on the same line (no overlapping).

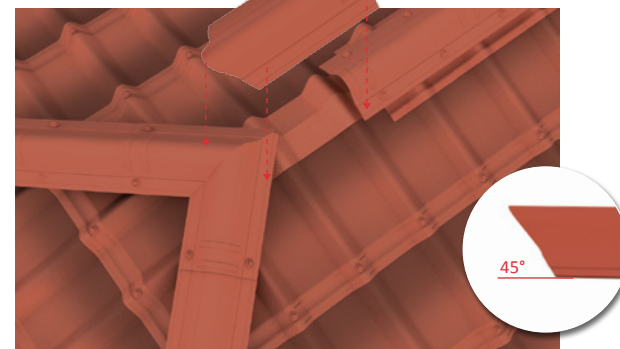
HIPS TO RIDGE



- 1 Secure the watertightness of the detail by applying FLASHING BAND.

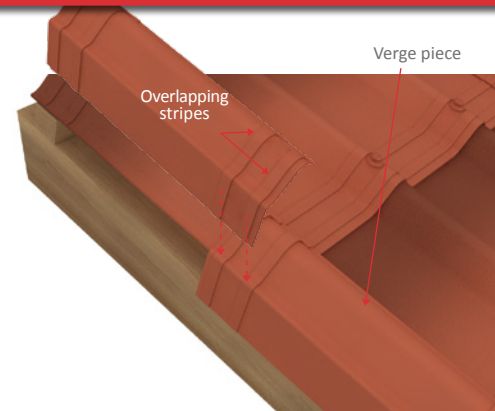


- 2 Apply a module consisting of 2 SLIM CAPS portions (to be fixed together using FLASHING BAND), cutting them at the right angle in accordance with the slope of the roof.

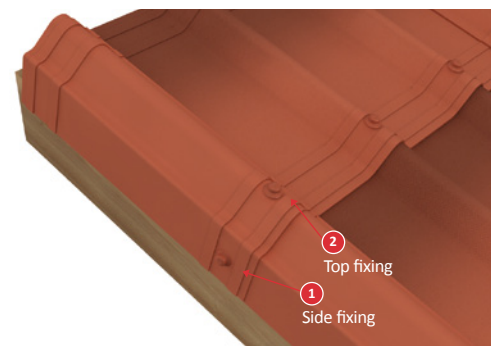


- 3 Cut the SLIM CAP with an angle of 45° and fix it. The ridge piece has to overlap the hips.

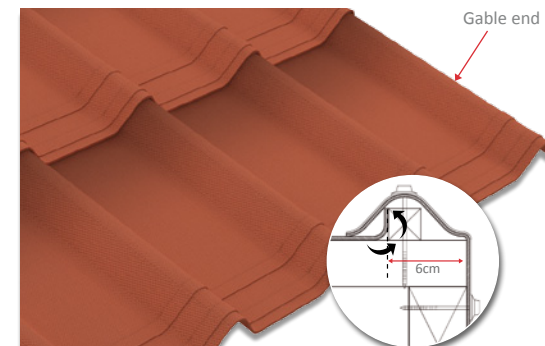
VERGE



- 1 At the beginning of the roof, the VERGE PIECE simply overlaps the first corrugation of ONDUVILLA®.



- 2 Additional to the usual fixing on top of the corrugation, side fixing is also necessary against wind uplift. Side fixing comes first, then finalize with top fixing.

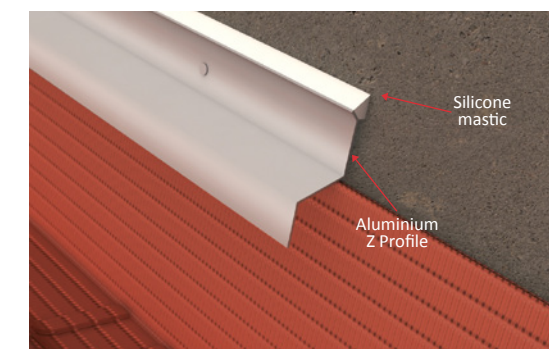


- 3 On the opposite side, the roof may not end with a corrugation. Cut the last tile at the edge and bend it onto a batten in order to ensure proper watertightness. Then overlap the batten with the VERGE PIECE.

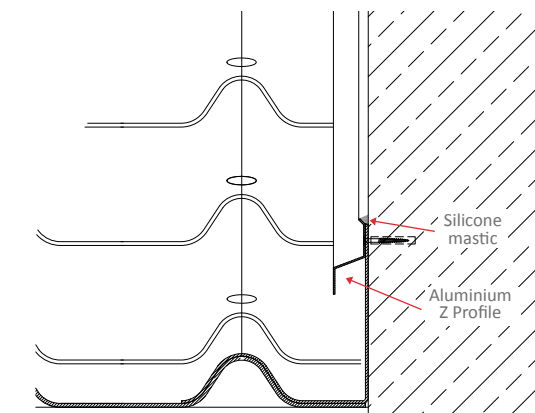
SIDE WALL ABUTMENT



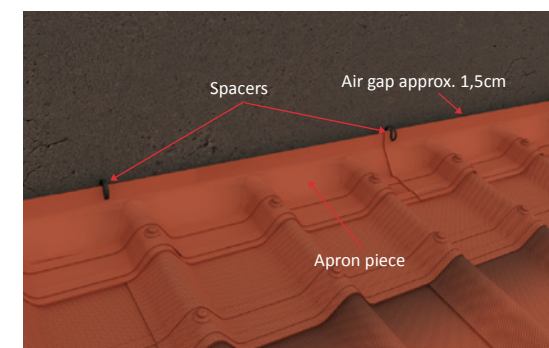
- 1 Position the FLASHING BAND membrane, overlapping one corrugation in order to ensure waterproofing.



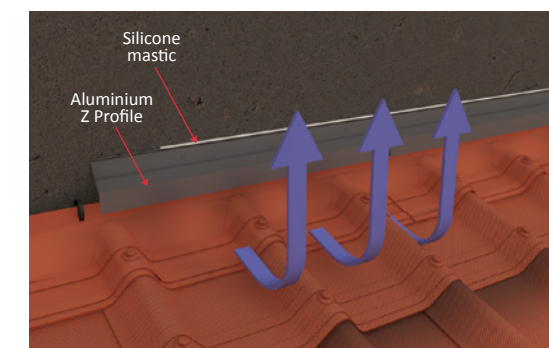
- 2 Secure the waterproofing along the wall by fixing an aluminium Z-profile and a strip of silicone mastic.



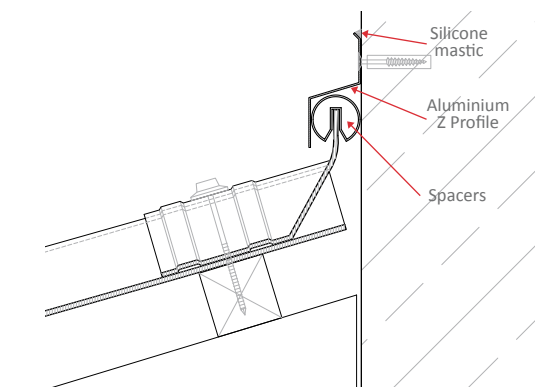
WALL ABUTMENT



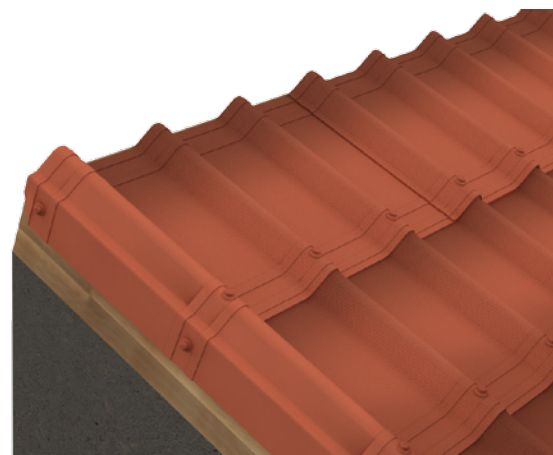
- 1 The ventilation gap between the wall and the apron piece should be secured with spacers that are applied at overlaps and in the middle of each apron piece.



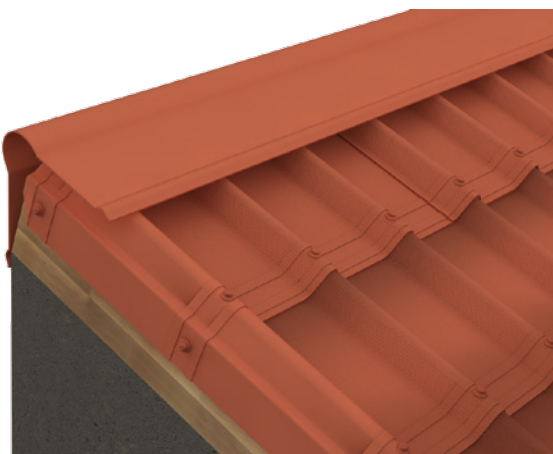
- 2 Aluminium Z profile is then fixed to the wall, and a line of silicon mastic is necessary for the watertightness.



MONO RIDGE TO WALL

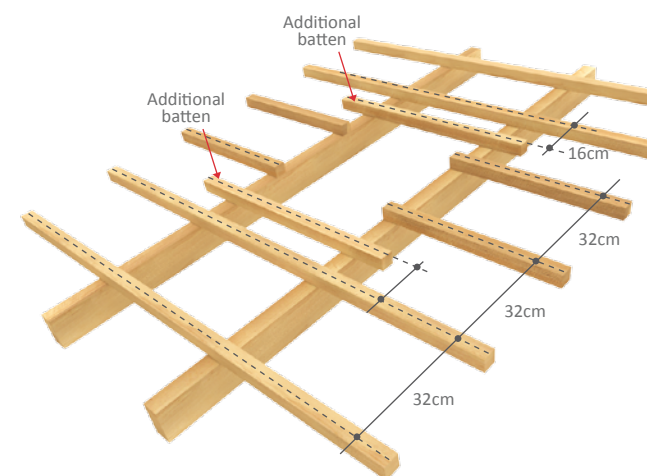


- 1 Install the VERGE PIECE.

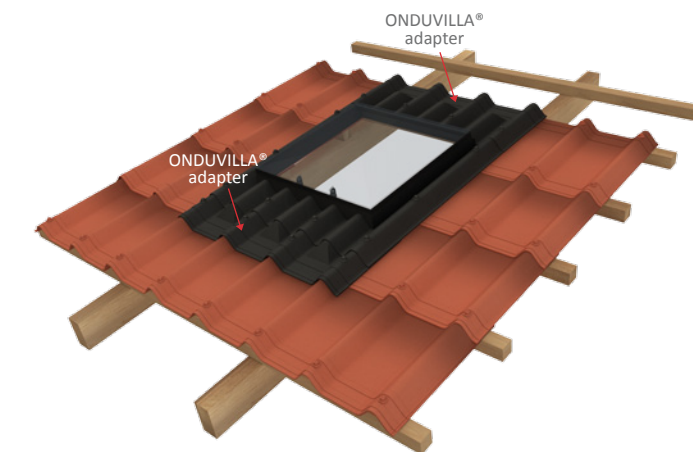


- 2 Apply a STANDARD RIDGE PIECE and fix it on both sides.

SKYLIGHT

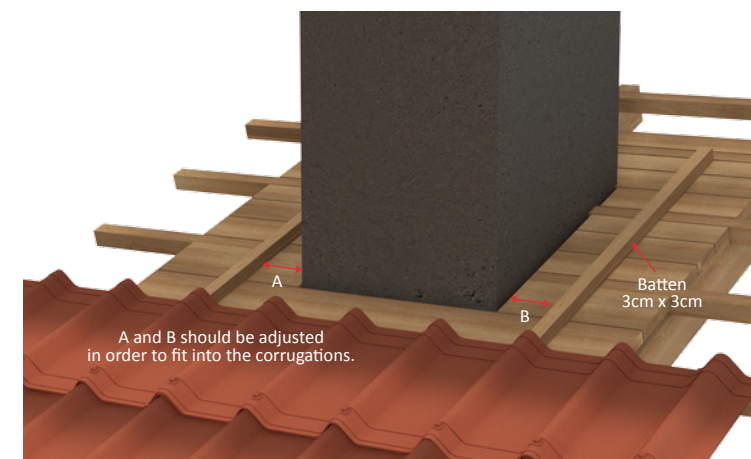


- 1 Prepare the supporting battens with appropriate distances.

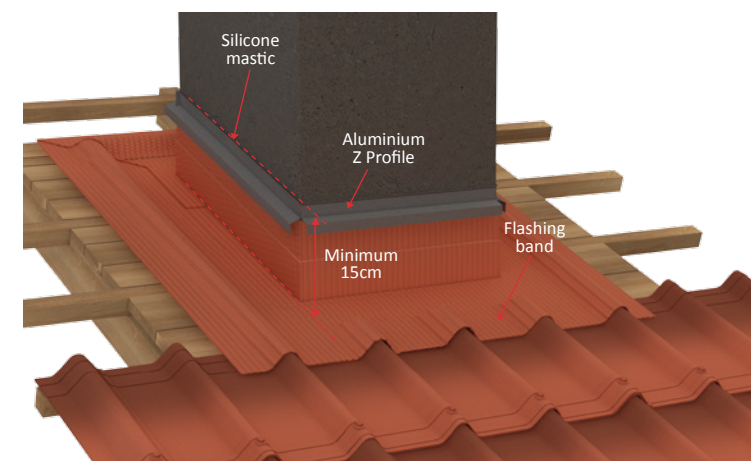


- 2 Take care of correct overlaps between the adapters and the skylight respecting the flow of the water.

CHIMNEY



- 1 Full deck is necessary for the roof part around the chimney. Surround the chimney with a batten of 3cm x 3cm entering the corrugations of the tiles installed at the lower part of the roof.

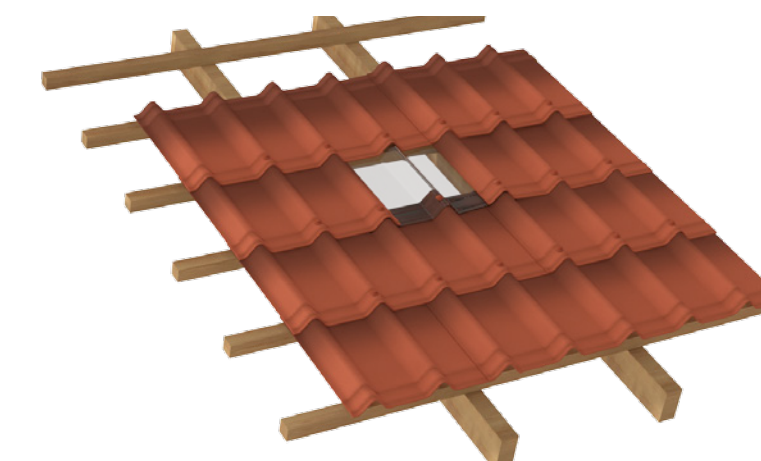


- 2 Apply a layer of FLASHING BAND® around the chimney, covering also the battens. Finish upper edge of FLASHING BAND® with the Z profile and silicone mastic.

ROOF VENT OR CLEAR TILE



- 1 Start by pre-drilling the ROOF VENT or CLEAR TILE at the location of the fasteners, with a diameter of 6 mm. Position and fix the accessory at the desired location, using the same overlap principle as tiles... In snow areas, position the ventilation unit on the top part of the roof in order to avoid exposure to snow load.



- 2 Cover the outer corrugations of the ROOF VENT or CLEAR TILE on each side.