

ACCESSORIES



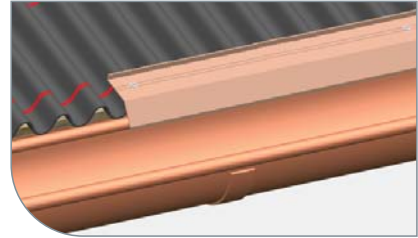
Onduplak
Roof Panel

Width : 122 cm
Length : 244 cm
Thickness: 11 mm



Stainless Steel
Hook - Nail
with Plastic Washer

Packaging: 400 pcs / box



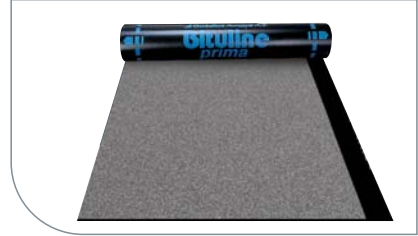
Aluminium
Eaves Batten

Width : 7 cm
Length : 300 cm
Packaging : 20 pcs / bundle



Aluminium Ridge Cap
(Including fixing elements,
also suitable for gable ends)

Width : 8 + 8 cm
Length : 100 cm
Packaging: 10 pcs / box

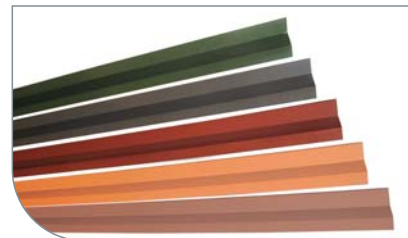


Bituline PP 40M
Waterproofing membrane for valleys
(please look to Bituline brochure
for technical specs)



Onduband
(aluminium or copper
coated self-adhesive tape for
detail solutions)

Width	5 cm	7.5 cm	10 cm	15 cm	20 cm	30 cm	60 cm
Length	10 m	10 m	10 m	10 m	10 m	10 m	10 m
Roll / box	12	8	6	4	3	2	1



Aluminium Z-Profile
(For finishing details)

Length: 100 cm
Packaging : pcs / bundle

Colours: Salmon cotto,
Autumn red, Slate grey,
Spring green, Rose brown

Accessories are available in compatible
colours with Onduser ceramics

Onduline®
AVRASYA A.Ş.

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SISTEM ONDUSER İNG-04/2011/1.000/001

System ONDUSER®

Ceramic Slates for Roofing and Siding



- Watertight
- Lightweight
- Aesthetical
- **40** Years warranty



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System ONDUSER

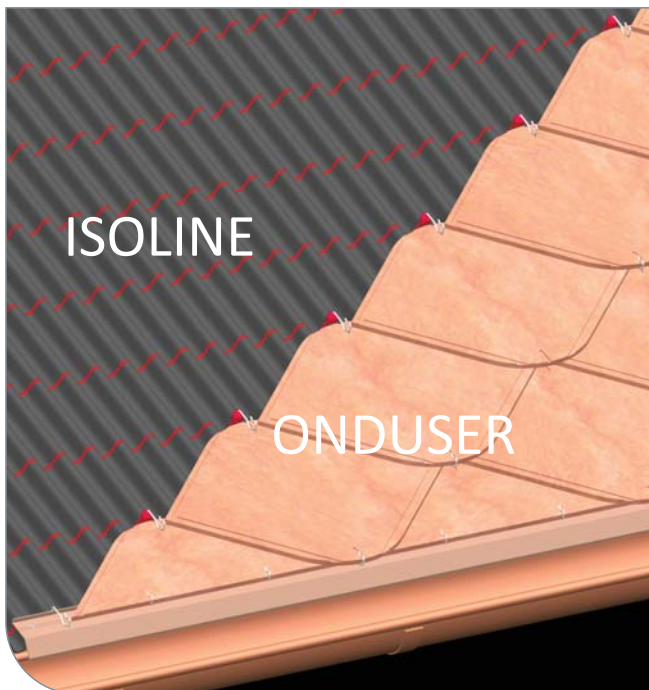


Onduline®
AVRASYA A.Ş.

+



SERAMİKSAN



ISOLINE

ONDUSER

ONDUSER SYSTEM offers to the roofing and siding sector a new innovative alternative.

The system designed by Onduline Avrasya consist of ceramic slates developed by the contribution of Seramiksan and innovative fixing to Isoline waterproof undertile sheet. The new fixing system is a durable, secure and aesthetical method and doesn't require any mortar or adhesive like other traditional roofing systems.



ADVANTAGES



ONDUSER IS ABSOLUTELY WATERPROOF
The outer surface of ceramic slates have no water absorption. Combined with Isoline waterproofing sheets, they can be installed safely on roofs with a low pitch of 15 %,only.

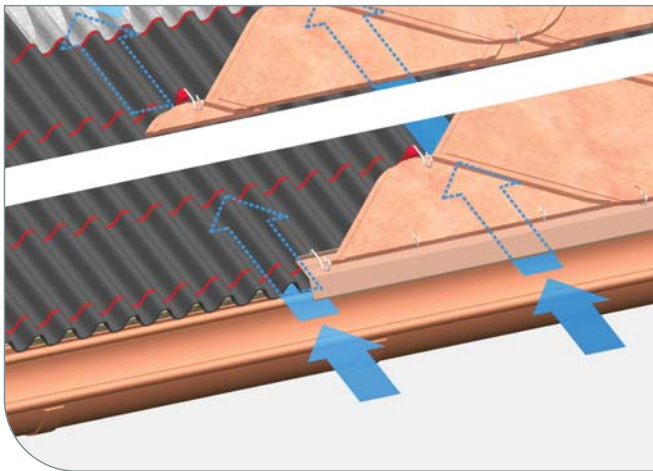


ONDUSER IS LIGHTWEIGHT
Its weight of 19,5 kg/m² is the half of traditional roofing materials, providing advantages of transportation and handling at site. Lightweight means also safety against earthquakes.



ONDUSER COVERED ROOFS ARE WALKABLE
When stepped with soft soled shoes, the ceramic slates never break. They have a special finish which avoids slipping. A plain surface on the roof is also safer to walk.



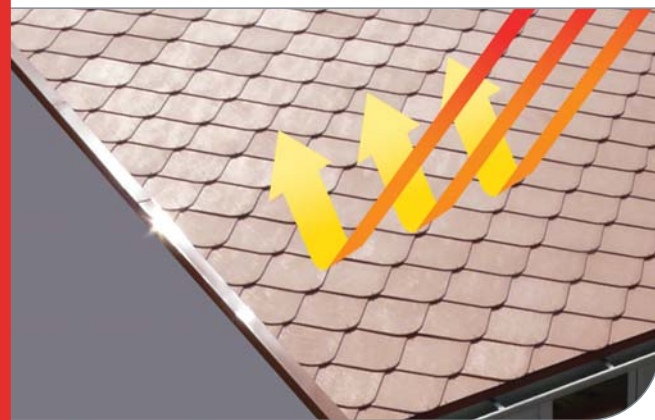


ONDUSER REFLECTS THE SUN

Glazed and bright surfaces are reflective. They store less heat energy even if they are exposed to sun continuously.

SYSTEM ONDUSER IS IDEAL FOR VENTILATED ROOFS AND WALLS

Ceramic slates are not installed with mortar or adhesives but by mechanical fixing, only. They are well ventilated all around. In winter ventilation helps to avoid frost damages and condensation problems, in summer it keeps the roof cool, providing comfort and energy saving.



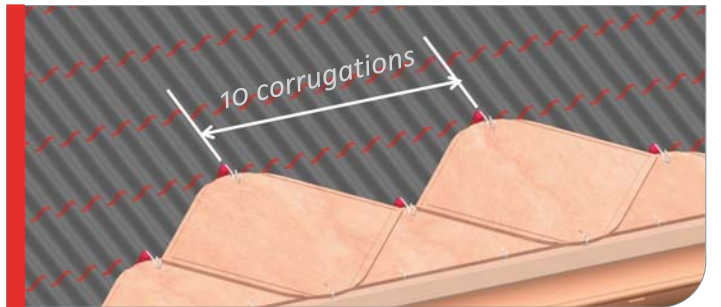
ONDUSER CERAMICS ARE WELL FIXED KEEPING THEIR POSITION UNDER ALL CONDITIONS

All ceramics are held by stainless steel hooks, fixed to the roof. They are absolutely resistant against wind uplift, sliding or shakings and impacts caused by earthquakes.



ONDUSER CAN BE INSTALLED EASILY

The lines and corrugations of Isoline define clearly where the tiles have to be placed without any need of measuring. If necessary, ceramics can be cut to desired size. It is also possible to take away any tile and replace it with a new one without damaging the rest of the roof.



ONDUSER IS DELIVERED IN PACKAGES

Bundles of 1m² each are easy to handle and safe against breaking during transports. They can be stored without occupying much space.

SYSTEM ONDUSER COMPLIES WITH "EN" STANDARDS

Ceramic slates, which are one of the two main components of the system, are manufactured and tested according to TS EN 14411, whereas Isoline follows TS EN 14964, the standard for rigid underlays. Both of them are CE marked as requested by the Construction Products Directive and European norms.





ONDUSER IS ESTHETICAL

Its soft lines and the variety of its colours allow to create different and innovative roofs.



40 YEARS WARRANTY

- for watertightness
- against frost damages
- for colour stability
- for anti - slip surface

COMPONENTS OF THE SYSTEM



ISOLINE

Rigid Underlay For Waterproofing



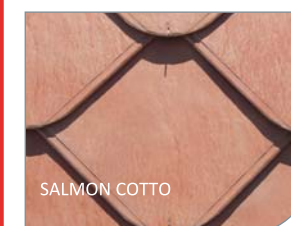
Width	102 cm
Length	182 cm
Net on the roof	1.65 m ² / piece
Weight	6,0 kg / piece - 3,6 kg/m ²
Height of corrugation	2,4 cm
No of corrugation	21 corr. / sheet



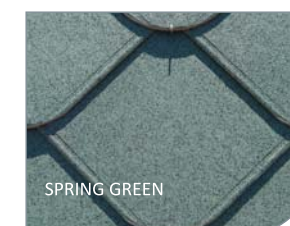
ONDUSER

Ceramic Slates For Roofing And Siding

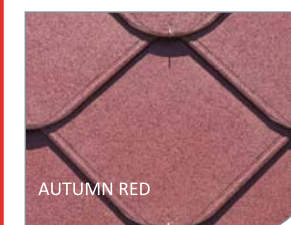
Width	33cm
Length	33cm
Weight	1.62 kg / piece, 19.5 kg / m ²
Thickness	8 mm
Net on the roof	1 m ² / bundle
Packaging	12 pcs / bundle,
Reaction to fire	A1
Bending strength	350 kg/cm ²
Frost resistance	Pass
Water absorption	<3 %
Anti-slip class	R 13



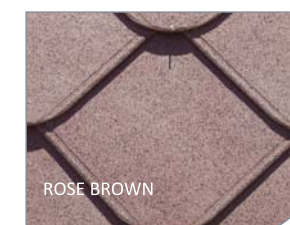
SALMON COTTO



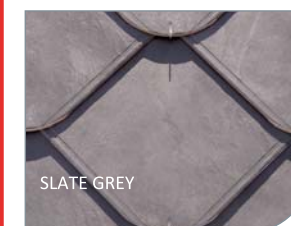
SPRING GREEN



AUTUMN RED



ROSE BROWN



SLATE GREY

