

# natural colours

Forest green, autumn red, cloud grey, sand brown – Colours of Rannila roofing formed by Finnish nature. Therefore they tone well with the environment.



ENG 0702/Preelis Oy/Kirjapaino Öhrting Ky/2000 kpl

## RANNILA Roofing package



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natural completeness.





# RANNILA Roofing package



## natural completeness

Nature is a human's arms – where we leave from and where we return. Our whole life is reflected by nature. Artists have always been sought inspiration from nature, repeating it's details and colours. Shapes and colours of nature please us.

Rannila Roofing is a natural package, which includes flashings designed for roofing profiles, fixings, seals, ventilation pipes, rainwater systems, ladders, roof bridges, snow stops as well as complete installation. All parts of a package are tested, they are compatible for ensuring straightforward installation and weathertight durable results. Our wide range of roofing systems gives varied options to choose from.

Rannila's experience in logistics ensures that you will have all parts of a roofing package delivered at an agreed time.



## Environment and quality

In Rannila Roofing, decades of experience and modern technology are combined as a beautiful and durable roof for your home. Rannila's quality is based on modern technology and on constant product development.

Rannila carries ISO 9001 quality certificate and the ISO 14001 environmental certificate and all operations are controlled by these certificates.



### Rannila Roofing package

- |                   |                    |
|-------------------|--------------------|
| STEEL SHEETS      | RAIN WATER SYSTEMS |
| FLASHINGS         | SNOW STOPS         |
| FIXINGS SEALS     | LADDERS            |
| VENTILATION PIPES | ROOF BRIDGES       |



# RANNILA Classic



## natural shape

Rannila Classic is the newest roofing system from Rannila. In its modesty, it is beautiful and timeless roofing. It is equally suitable for a standard dwelling house as well as to a bigger country house. Rannila Classic is also available in copper.

You can recognise Rannila Classic from its straight lines and harmonic shapes, thanks to its improved fastening technique. Classic is fast and easy to install yourself without special tools. This system is also suitable for low roof pitches.

You can choose from Classic S or Classic W roofing systems. Classic W has symmetric ribs between standing seams. You can choose a roofing system, which is just perfect in your eyes.



Classic	
EFFECTIVE WIDTH	475 mm
MATERIAL THICKNESS	0.6 mm
MINIMUM LENGTH	0.8 m
MAXIMUM LENGTH	10 m





## RANNILA Monterrey



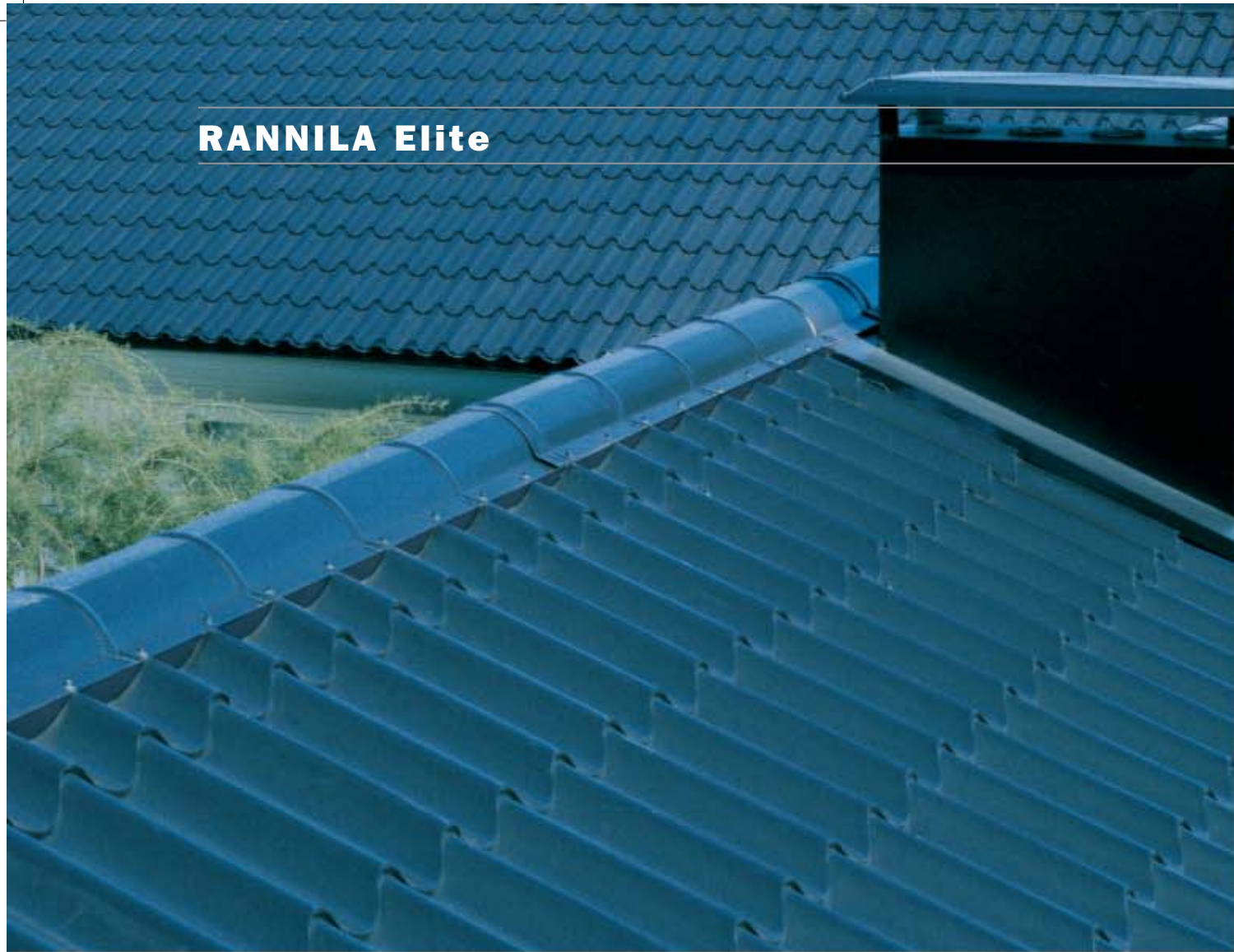
### tranquil **shape**

Rannila Monterrey is the best known and the most favoured of Rannila's Tile sheets. Lower profile shape of Monterrey gives your roof a tranquil effect.

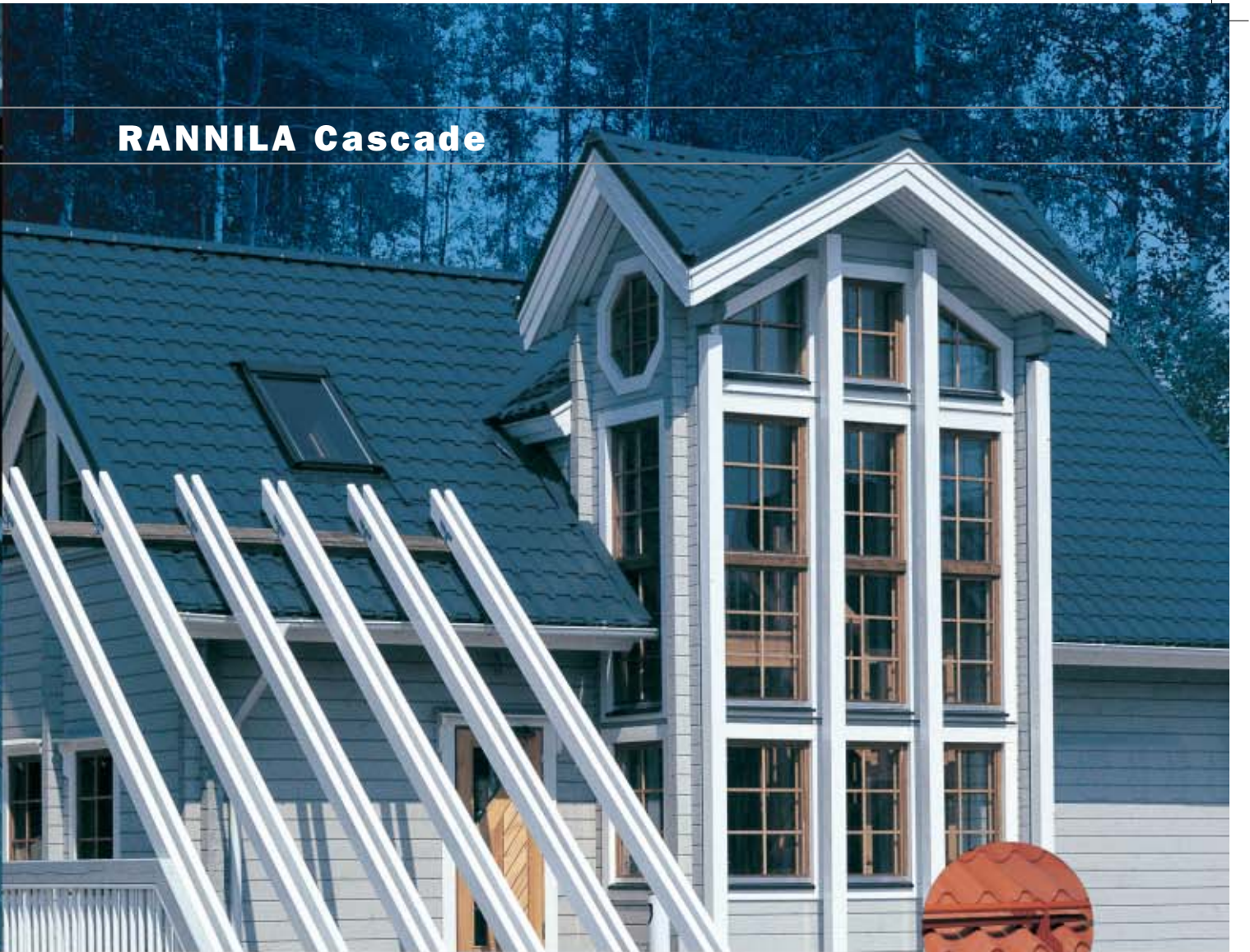
#### **Monterrey**

EFFECTIVE WIDTH	1100 mm
MATERIAL THICKNESS	0.5 mm
MINIMUM LENGTH	0.8 m
MAXIMUM LENGTH	8.0 m





## RANNILA Elite



## RANNILA Cascade

### steel roofing elite

With Rannila Elite you can create spectacular roofing for your home. High profile shapes make it even more spectacular, especially in large roof surfaces.

Elite	
EFFECTIVE WIDTH	1025 mm
MATERIAL THICKNESS	0.5 mm
MINIMUM LENGTH	0.8 m
MAXIMUM LENGTH	8.0 m

### traditional shape

Rannila Cascade has a traditional roof appearance with the benefits of stiffness and durability of a tile sheet. This robust roofing system is suitable for older as for new houses or even for holiday homes.

Cascade	
EFFECTIVE WIDTH	1050 mm
MATERIAL THICKNESS	0.5 mm
MINIMUM LENGTH	0.8 m
MAXIMUM LENGTH	7.0 m





# RANNILA Roofing sheets



## familiar shape

Rannila roofing sheets are available in many shapes of profiles and are suitable for the different kinds of buildings. Roofing sheets are delivered in pre-cut lengths according to measurements of the roof, ready for the installation.



Rannila **18R**



Rannila **35R**



Rannila **19R**



Rannila **45R**



Rannila **20R**



Rannila **45ER**



Rannila **20SR**



Rannila **45JR**

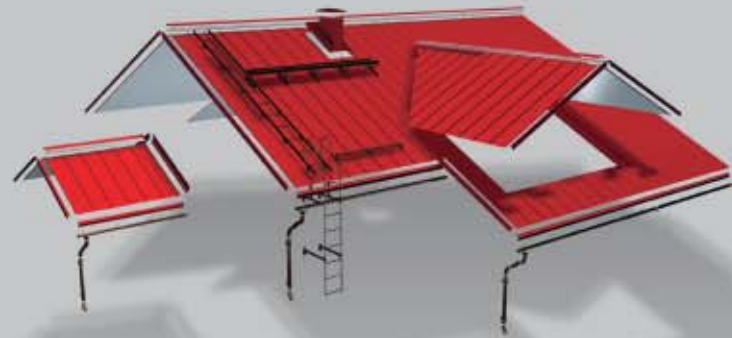


### roofing sheets

TECHNICAL SPECIFICATION  
on pages 26-27



# RANNILA Roofing package



## Complete rainwater system

Rannila rainwater system completes roofing into a functional package. It removes rain-water effectively from a roof. External gutter brackets are stable and their benefit is that gutters are easy to clean. Pre-manufactured parts are purpose-built and easy to install. Smooth curves reduce dirt traps. Rannila's rainwater systems are manufactured from PVC-coated, galvanised 0.60 mm steel. They are available in two half-round (Ø 125 mm and Ø 150 mm) gutters and also o-gee gutters. Round (Ø 87 mm) down pipes are available in a complete package.

## Roof safety products

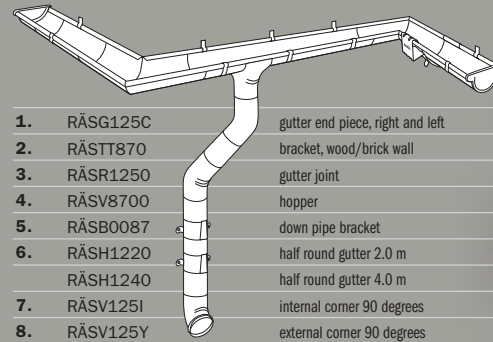
Every homeowner or builder is obliged by the law to take care of roof safety. Rannila has all required roof safety products that you need: roof ladders, wall ladders and safety ladders, with their installation sets, as well as roof bridges and snow stops. Products are available in pre-painted or galvanised finishes. Rannila tile sheets and Classic have their own special fixings for roof bridges and snow stops. Roof safety products are tailor-made to your house. Roof safety products delivered by Rannila fulfil requirements for roof safety products given by F2 Finland's Building Regulations.

## Flashings, ventilation pipes and other accessories

Flashings, which are needed for final finishing to the roof, are manufactured from the same materials as the roofing sheet. Thanks to modern manufacturing, flashings are exact size and excellent in quality. This makes an installation easier and brings a final touch to the roof. Standard flashings also reduce lead times.

Rannila manufactures functional ventilation pipes for Classic and roofing sheets. For roofing sheets and for special needs in refurbishing, you can find special ventilation options. The type-approved extractor delivered by Rannila is equipped with a silencer and service switch. There is also a special steel fire hatch designed for Rannila Classic.

Rannila recommends always using an underlay beneath a roofing sheet to prevent condensation. In renovations, necessity of the underlay should be checked case by case.



1.	RÄSG125C	gutter end piece, right and left
2.	RÄSTT870	bracket, wood/brick wall
3.	RÄSR1250	gutter joint
4.	RÄSV8700	hopper
5.	RÄSB0087	down pipe bracket
6.	RÄSH1220	half round gutter 2.0 m
	RÄSH1240	half round gutter 4.0 m
7.	RÄSV125I	internal corner 90 degrees
8.	RÄSV125Y	external corner 90 degrees
9.	RÄSRK150	gutter bracket, short Ø 150 mm
10.	RÄSKK150	gutter bracket, short, straight Ø 150 mm
11.	RÄSC2125	gutter bracket 1:2
	RÄSC3125	gutter bracket 1:3
	RÄSC1150	gutter bracket 1:1.5
12.	RÄSKK125	gutter bracket, short, straight
13.	RÄSO1287	starter collar
14.	RÄSG8760	y-piece
15.	RÄSS8710	down pipe 1.0 m
	RÄSS8725	down pipe 2.5 m
	RÄSS8740	down pipe 4.0 m
16.	RÄRSIL	sieve Ø 110 mm
17.	RÄSV8760	bend
18a.	RÄSU8700	outlet (black RR33)
18b.	RÄSU8700	outlet (red RR29)
18c.	RÄSU8700	outlet (dark brown RR32)
19.	RÄSH2020	O-gee gutter 2.0 m
	RÄSH2040	O-gee gutter 4.0 m
20.	RÄSO2402	downpipe, rectangular/round
21.	RÄSV210I	corner, internal 90 degrees
22.	RÄSV210Y	corner, external 90 degrees
23a.	RÄSG220H	gutter end piece, right
23b.	RÄSG220V	gutter end piece, left
24.	RÄSK2250	gutter bracket 1:2
	RÄSK3250	gutter bracket 1:3
	RÄSK1150	gutter bracket 1:1.5
25.	RÄSKK250	gutter bracket, short, straight

## Parts of the rain water system

### Half round



### O-gee



## Colours of the rain water system

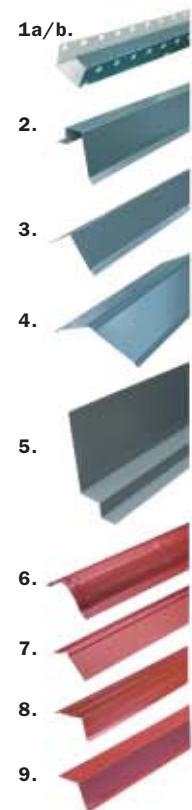
<b>White</b>	RR20	
<b>Dark grey</b>	RR23 (ainoastaan tikkaille)	
<b>Black</b>	RR33	
<b>Red</b>	RR29 (ei kulmikkaalle)	
<b>Dark brown</b>	RR32	
<b>For o-gee gutters</b>		
<b>White</b>	RR20	
<b>Dark brown</b>	RR32	
<b>Black</b>	RR33	

## Roof safety products

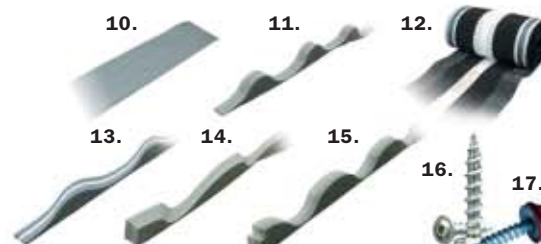
Wall ladder  
ladder 2.4 m  
ladder 3.0 m  
ladder 3.6 m  
ladder 4.2 m  
installation accessories AS1

Wall ladder  
Ladder 3.6 m  
Ladder 4.8 m  
Ladder 5.4 m  
Ladder 6.0 m  
Installation accessories AS2

Safety ladder  
Ladder 2.4 m  
Ladder 3.0 m  
Ladder 3.6 m  
Installation accessories AS3



1a.	Classic ridge ventilating flashing, L = 460 mm	CLHTUC
1b.	Classic hip ventilating flashing, L = 3000 mm	CLHTUC3
2.	Classic verge trim	CLPTC
3.	Classic eave flashing	CLRC
4.	Classic ridge capping	CLHSC
5.	Classic connection flashing	CLLSC
6.	barrel ridge capping	LHP
7.	flat ridge capping	LHS
8.	verge trim	LP3
9.	eave flashing	LRS
10.	sound insulation band	CLT4/695
11.	filler	TN
12.	ventilating filler for hip	TATUH
13.	valley filler, right/left	TJSO/TJSV
14.	hip filler, right/left	TJUO/TJUV
15.	ridge filler	TH
16.	Classic screw for batten (stainless)	RST
17.	self-drilling screw, 4.8x28	TAR4828
18.	end piece for barrel ridge capping	TALHPK
19.	Y-piece for barrel ridge capping	TALYH
20.	ventilation pipe for barrel ridge capping	TALHTP
21.	roof-opening, 400x400	TAVL
22.	end piece for barrel ridge capping	TALAPK
23.	T-joint for barrel ridge capping	TALTH
24.	ventilation pipe for flat ridge capping	TALH3TP
25.	fire hatch, 600x600	TAVPL
26.	ventilation pipe, insulated 125/160 Classic	CLVPE125
27.	ventilation pipe, uninsulated 110 Classic	CLVPK110
28.	ventilation pipe, insulated 125/160	VPE125
29.	ventilation pipe, uninsulated 110	VPK110
30.	ventilating steel batten	TRR453700



Rannila has created a steel ventilation batten for roofing. The perforations in the flanges ensure good ventilation. The ventilation batten is delivered in standard length (3.7 m) and it is suitable with all Rannila roofing systems. It can be jointed and overlapped between roof trusses, which makes installation easier and reduces the waste element. Benefits of the steel batten are lightness, ease of handling and easy transportation.

Seals are needed in roofs, ridges and valleys. Under the Classic roofing, it is recommend using sound insulation seals. For the ridge of Classic-roof there is special flashing. A new ventilating seal for hips and ridges is suitable for all Rannila roofing systems. As it is installed to both sides of a hip at once, it makes savings in installation time.

Self-drilling screws with EPDM washers are used to fix roofing sheets to battens, as well as in side laps and flashings. Screws are available in a matching colour.



## Colours of ladders, roof bridges and snow stops

<b>Forest green</b>	RR11	
<b>White</b>	RR20	
<b>Dark grey</b>	RR23	
<b>Red</b>	RR29	
<b>Dark brown</b>	RR32	
<b>Black</b>	RR33	
<b>Brick red</b>	RR750	

Ladder  
ladder 3.0 m  
ladder 3.6 m  
ladder 4.8 m  
ladder 5.4 m  
ladder 6.0 m  
ladder 6.6 m  
installation accessories AS3

Roof bridge  
**TAKS**  
length 2.92 m  
4 fixings

Classic roof bridge  
**CLKSC**  
length 2.92 m  
4 fixings

Snow stop for Classic  
**CLVLEN ja muutokatteille**  
**TAPTLEN**  
length 3.0 m  
oval pipes  
4 fixings





## technical specifications

### Coatings

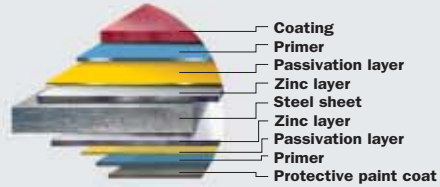
Rannila uses Rautaruukki's coated steel for its profiled sheets. Coatings have a guarantee.

### PURAL

Pural is a polyurethane based coating, which is at its best in roofing and cladding sheets. It is easy to handle in manufacturing and in installation of profile sheets. A slightly structured surface resists corrosion caused by snow and ice. Pural has a good resistance to ultraviolet radiation. Good resistant to chemicals and an easy repainting is characteristic to Pural. Pural has a 15-year guarantee.

### PVDF

PVDF is especially recommended for demanding outdoor applications. This coating has a good resistance to corrosion and an excellent resistance to fading. PVDF is recommended when durability of colour and resistance to dirt are important. PVDF has a 15-year guarantee.



### Matt Polyester

Matt polyester has good weather and corrosion resistance. Matt, non-glossy surface is typical for this coating. Typical applications of matt polyester are roofing tile sheet. Matt surface is excellent for holiday homes and renovations. Matt polyester has a 10-year guarantee.

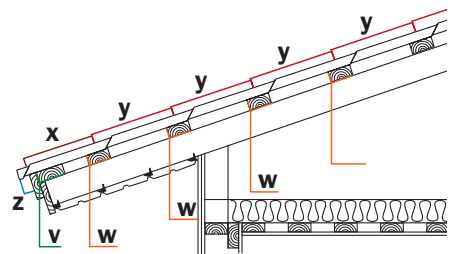
### Coating properties

	Thickness $\mu\text{m}$	Corrosion durability	Fading resistance	Resistance to dirt	Repainting	Max. operating temperature $^{\circ}\text{C}$
Pural	50	*****	****	****	*****	+100
PVDF	27	****	*****	*****	***	+110
Matta-polyesteri	35	****	***	**	**	+90

	Effective cover width	Sheet thickness	Minimum length	Maximum length	Tile length	Minimum pitch
<b>Classic S</b>	475 mm	0.6 mm	0.8 m	10.0 m		1:7
<b>Classic W</b>	475 mm	0.6 mm	0.8 m	10.0 m		1:7
<b>Elite</b>	1025 mm	0.5 mm	0.8 m	8.0 m	400 mm	1:4
<b>Monterrey</b>	1100 mm	0.5 mm	0.8 m	8.0 m	350 mm	1:4
<b>Cascade</b>	1050 mm	0.5 mm	0.8 m	7.0 m	300 mm	1:4

### Roof battening

Generally, 32x100 mm timber is enough for roof battening with normal truss dimensioning (c/c 900 mm or c/c 1200 mm). Notice that different sheets need different battening centres and the first batten from the eave must be raised. Rannila delivers installation instructions with profile sheets.



	1. Batten (V) height x width	2. Batten (W) height x width	1. Spacing of batten (X)	Spacing of battens (Y)	Trip beak (Z)
<b>Classic S/W</b>	32 x 100 mm	32 x 100 mm	200 mm	max. 400 mm	30 - 40 mm
<b>Elite</b>	44 x 100 mm	32 x 100 mm	350 mm	400 mm	40 - 45 mm
<b>Monterrey</b>	44 x 100 mm	32 x 100 mm	300 mm	350 mm	40 - 45 mm
<b>Cascade</b>	44 x 100 mm	32 x 100 mm	250 mm	300 mm	40 - 45 mm

## natural colours

Profiled tile sheets are available in various colours. Due to printing techniques, colours in this brochure are not exact. Precise colours are seen in colour charts of your dealer or at Rautaruukki. You can have further information about water roofing sheets from your Rannila representative



Forest Green RR11

	Effective cover width	Sheet thickness (recommended)	Minimum length	Maximum length
<b>Rannila 18R</b>	1100 mm	0.5 - 0.7 mm	0.4 m	10.0 m
<b>Rannila 19R</b>	1150 mm	0.5 - 0.7 mm	0.4 m	10.0 m
<b>Rannila 20R</b>	1090 mm	0.5 - 0.7 mm	0.4 m	10.0 m
<b>Rannila 20SR</b>	1000 mm	0.5 - 0.7 mm	0.4 m	10.0 m
<b>Rannila 35R</b>	1050 mm	0.5 - 0.9 mm	0.4 m	12.0 m
<b>Rannila 45R</b>	900 mm	0.5 - 1.0 mm	0.4 m	12.0 m
<b>Rannila 45ER</b>	1025 mm	0.6 - 1.0 mm	0.4 m	12.0 m
<b>Rannila 45JR</b>	915 mm	0.5 - 1.0 mm	0.4 m	12.0 m



Light Grey RR21



Grey RR22



Dark grey RR23



Red RR29



Brick red RR750



Black RR33



Light brown RR30



Brown RR31



Dark brown RR32



Light blue RR34



Blue RR35



Copper RR43



White RR20



Light yellow RR24



Light green RR37