

colofer®

For sheet metal tiles
More than just aesthetics for
roofing applications



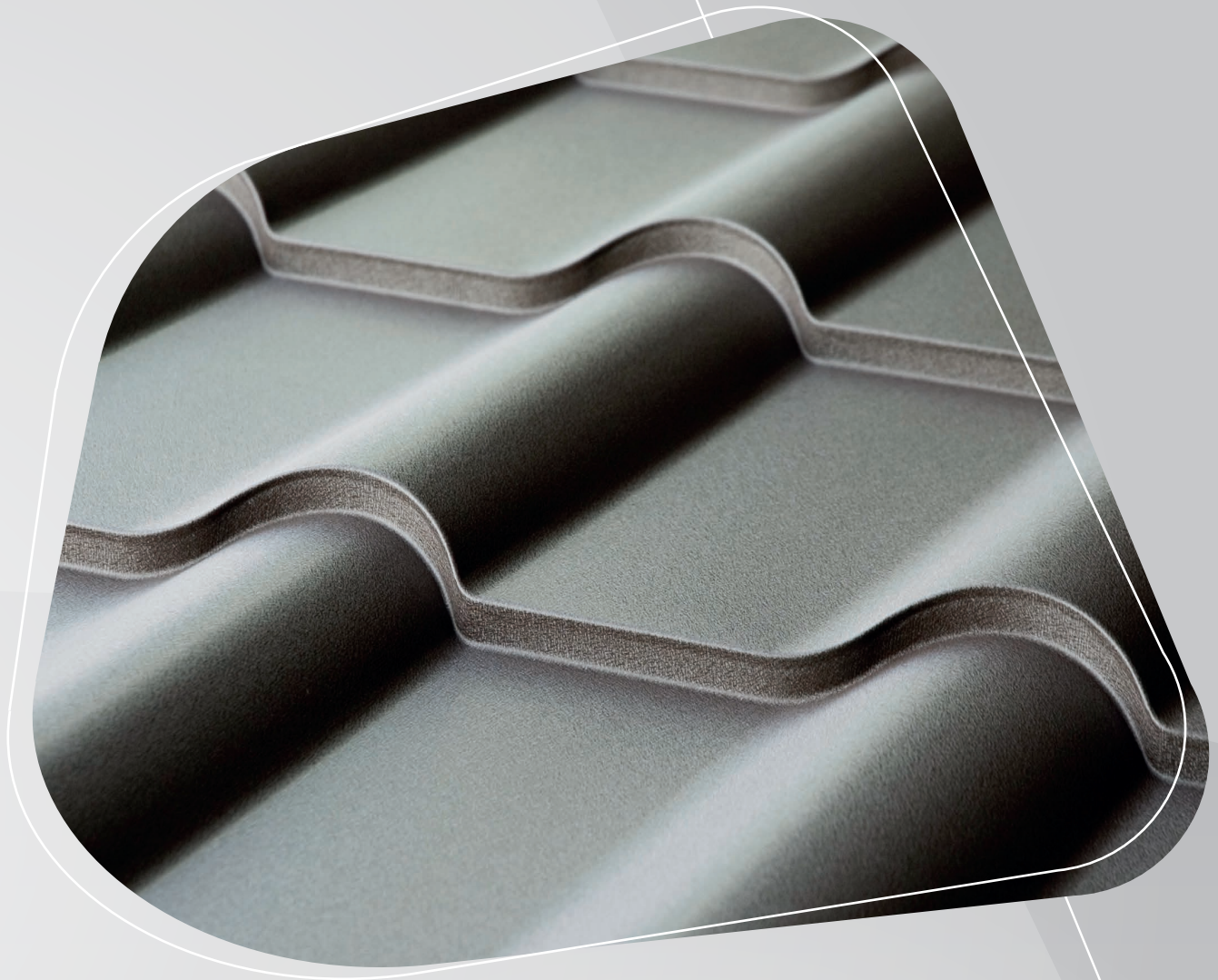
Christoph Angeli, Customer Service

voestalpine Steel Division
www.voestalpine.com/colofer

voestalpine

ONE STEP AHEAD.

colofer®



To find out more about colofer®,
visit us on our website at
www.voestalpine.com/colofer

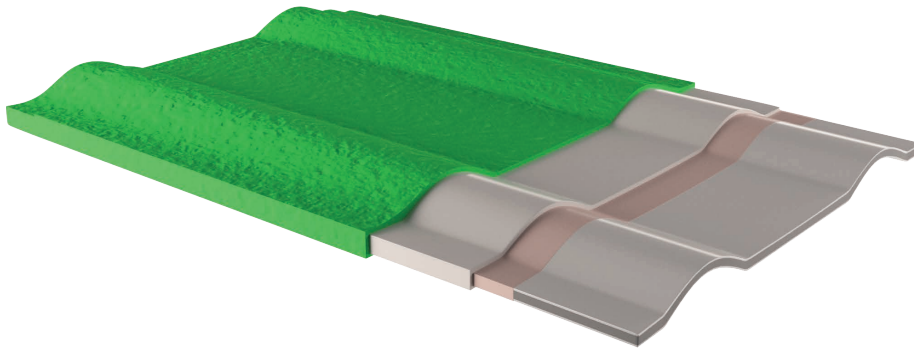




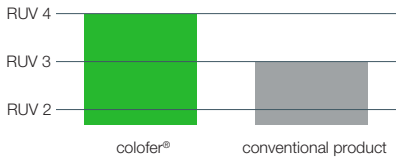
More than just aesthetics for roofing applications

A home that is built to last. The roof is the most important line of defense between the comfort of a home and the elements. Ideally, it should last for several generations. By using colofer® for sheet metal tiles, you combine impressive aesthetics that last for many decades with the highest quality and excellent functionality.






Highest degree of resistance



UV resistance of colofer®



A surface with outstanding properties

-  colofer® cover coat
-  Chromate-free primer since 1998
-  Chromate-free pre-treatment since 1998
-  Long-term corrosion protection with a zinc-magnesium coating of 120 g/m², or a zinc coating of 275 g/m²
-  Wide range of voestalpine steel grades

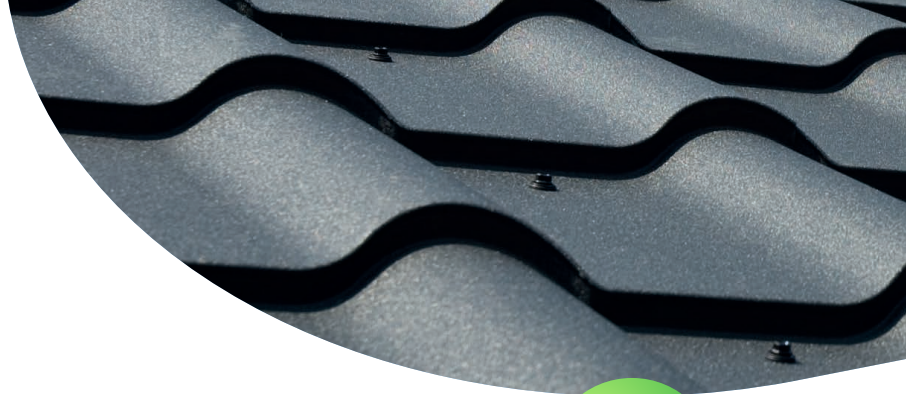
For sheet metal tiles we recommend the following two products:

colofer® matt
colofer® plus

Both products are manufactured in compliance with the most stringent European standards and must pass our strict quality inspection procedure. On top of this, we offer an automatic guarantee on these products for roofing applications up to an altitude of 2,100 meters.

A large number of renowned manufacturers of roof tiles have already put their trust in the quality of colofer®. See for yourself and join our long list of satisfied customers.





colofer® matt

More than just aesthetics for roofing applications

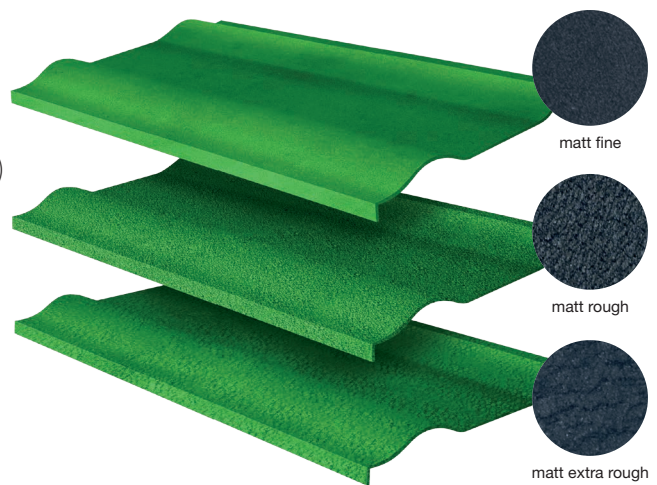


colofer® matt was specially developed for roofing applications and impresses with its matt appearance. With three different types of matt surfaces and a large variety of different colors, colofer® matt is the most versatile product for sheet metal tiles.

We only use top-of-the-line products from the best paint manufacturers, which is why we are able to guarantee the highest UV resistance class (RUV 4) for selected colors. As a result of extensive research and development, this product combines excellent processing and forming properties without compromising on appearance and function.

We offer an automatic guarantee period of up to 18 years and up to an altitude of 2,100 meters on sheet metal tiles made of colofer® matt.

- 3 impressive matt surface types
- High level of UV resistance (RUV 4)
- Excellent formability

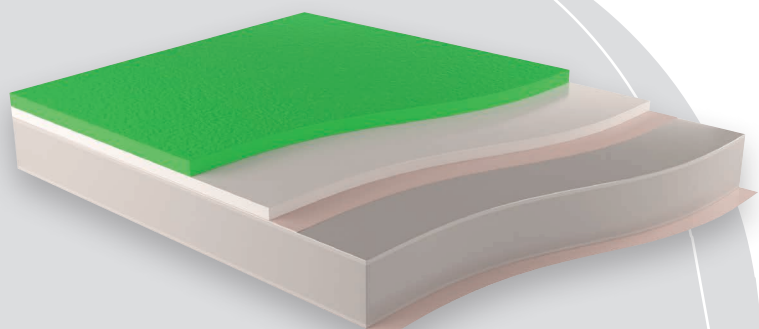


colofer® matt 35 µm



- Cover coat
- Primer coat
- Pre-treatment
- Galvanized steel strip

* only applies to selected standard colors





colofer[®] plus

More than just maximum protection



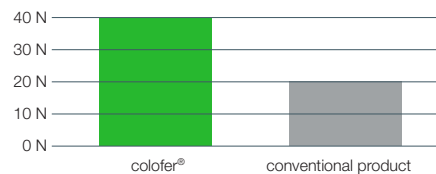
Sheet metal tiles that are built to last! colofer[®] plus stands for perfect all-round protection, limitless functionality and completely chromium and chromate-free coating technology.

The double layer thickness and highest reference value for scratch resistance (40 N) guarantee perfect protection against mechanical damage during assembly/installation and use. colofer[®] plus has the highest possible UV resistance class (RUV 4), which guarantees long-lasting color intensity. On top of this, the excellent corrosion protection (corrosion resistance class RC 5) facilitates applications in particularly demanding environments (pollution).

Automatic guarantee periods of up to 35 years and special guarantees for special requirements provide ease of mind. Optimum forming properties, excellent workability and a wide range of available colors and surfaces complete this all-round carefree package.

- Very high level of corrosion resistance (RC 5)
- High level of UV resistance (RUV 4)
- Highest reference value for scratch resistance (40 N)
- Variety of different surface textures

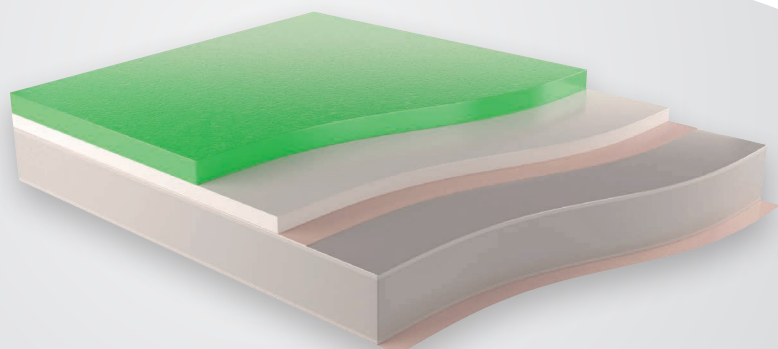
Scratch resistance of colofer[®]



colofer[®] plus 50 µm



- Cover coat
- Primer coat
- Pre-treatment
- Galvanized steel strip



Selecting the right product for your application



Our **colofer® technical support** has access to a large pool of experts which will be happy to assist you in all matters.

Figures

	colofer® matt	colofer® plus
Total layer thickness	Approx. 35 µm	Approx. 50 µm
Adhesion after bending	≤ 1 T	≤ 1 T
Crack formation during bending	≤ 2 T	≤ 1,5 T
Scratch resistance	≥ 15 N	≥ 40 N
UV resistance	RUV 4*	RUV 4
Corrosion resistance	RC 3	RC 5

Standard colors

Using only a single production facility and a high degree of process reliability enable us to accurately reproduce colors.



With our **colofer® colorservice**, we are able to reproduce a large number of additional colors.

Guarantees for roof applications



	colofer® matt		colofer® plus			
	RC2	RC3	RC2	RC3	RC4	RC5
Corrosion (rust perforation)	18	12	35	20	10	
Coating adhesion	10	5	12	10	5	
Appearance	RUV 4*	RUV 4*	RUV 4	RUV 4	RUV 4	RUV 4

Guarantee periods depending on altitude

up to 900 m	900–1,300 m	1,300–1,700 m	1,700–2,100 m	above 2,100 m
100 %	90 %	70 %	50 %	

upon request

only with special guarantee

guarantee periods rounded to whole years

not available

* only applies to selected standard colors

You will find more detailed information on colofer® guarantees in the colofer® guarantee provisions at www.voestalpine.com/colofer



More than just environmentally compatible The ECO-Pioneer

colofer® is a true pioneer when it comes to protecting the environment and employee health and safety. Already in 1998, voestalpine developed an environmentally compatible method for the production of colofer® by completely eliminating chromium and chromate from the process without compromising the excellent product performance and the length of guarantee periods.

voestalpine operates the cleanest and most environmentally compatible steelmaking plant in Europe and more than lives up to its reputation as an environmental pioneer.



More than just quality High quality made in Austria

High-tech steel strips produced by voestalpine and paints from renowned European manufacturers are the basis for the consistently high level of quality that is characteristic of colofer®. Thanks to our integrated steel mill at the Linz location, we always have full control of all value-adding process steps involved. colofer® is produced in a single facility using high-precision measuring methods. As a result, our customers benefit from consistently high quality and from products that strictly comply with the agreed specifications.



More than just products – colofer® Service

We consider services to be part of the product itself, which is why we also strive for perfection in our services. Learn more about our colofer® services.

colofer® technical support

colofer® colorservice

colofer® coilsplitting

colofer® ROL

colofer® inside

voestalpine Steel & Service Center

If you're reading this, your successful future has already begun.

Together with us, you are always one step ahead because we offer more than optimized products made of high-quality material.

- If you are looking for customized solutions, we will be pleased to work with you on the creation of new products and services.
- If you are looking for new ideas on materials, technologies and services, we want to help you find them.
- If you are looking for a fair and reliable partner, you are at the right place. We know that we can only be successful together with our customers when they benefit as much as we do from our partnership.
- Our customers take advantage of the most widely used technology: Two thirds of the steel produced worldwide is made using the LD process, and we're rather proud of that.

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