

colofer®

FOR  
DRAINAGE  
SYSTEMS

More than just extremely resistant

voestalpine Steel Division  
[www.voestalpine.com/colofer](http://www.voestalpine.com/colofer)

voestalpine

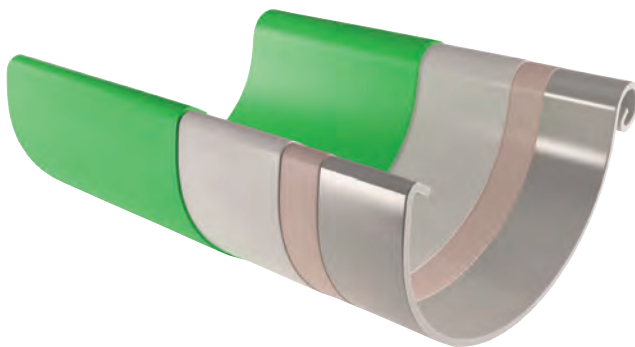
ONE STEP AHEAD.



# colofer®

## MORE THAN JUST EXTREMELY RESISTANT

colofer® for drainage systems



**Like water off a duck's back.** Roof drainage systems are an essential part of any building, and thus a design element with an important function. Both appearance and performance must be absolutely convincing. By using colofer®, you are guaranteed that these requirements are optimally met for a long period of time.

We recommend these two types of steel for roof drainage applications:

- » sgs 120 (soft)
- » sgm (medium)

The following three products are also recommended:

- » colofer® ROBUST
- » colofer® ROBUST RAIN
- » colofer® PLUS

colofer® complies with the following certifications and guidelines:  
EPD, DGNB, BREEAM, LEED, RoHS, REACH.





To find out more about colofer®,  
please visit us at  
[www.voestalpine.com/colofer](http://www.voestalpine.com/colofer)



Eco-Pioneer



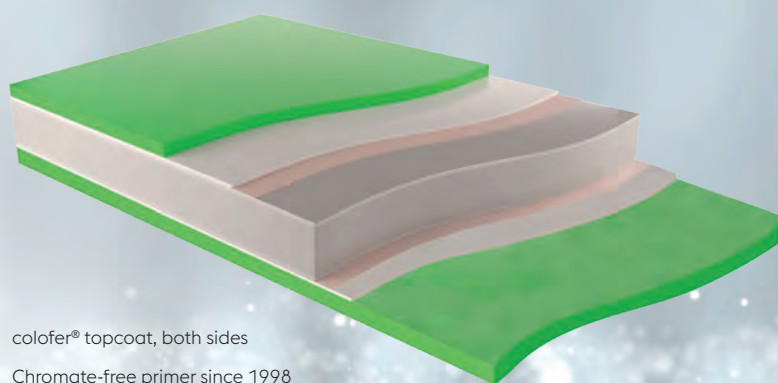
Made in Austria



colofer® Service

# SEE FOR YOURSELF WHAT colofer® CAN DO!

The possibilities of colofer® are versatile,  
and the layer structure is two-sided.



- colofer® topcoat, both sides
- Chromate-free primer since 1998
- Chromate-free pre-treatment since 1998
- Long-term corrosion protection due to a ZM coating of 120 g/m<sup>2</sup> or alternatively a zinc coating of 275 g/m<sup>2</sup>
- The following steel grades are specially tailored to drainage applications:  
sgs 120 (soft)  
sgm (medium)

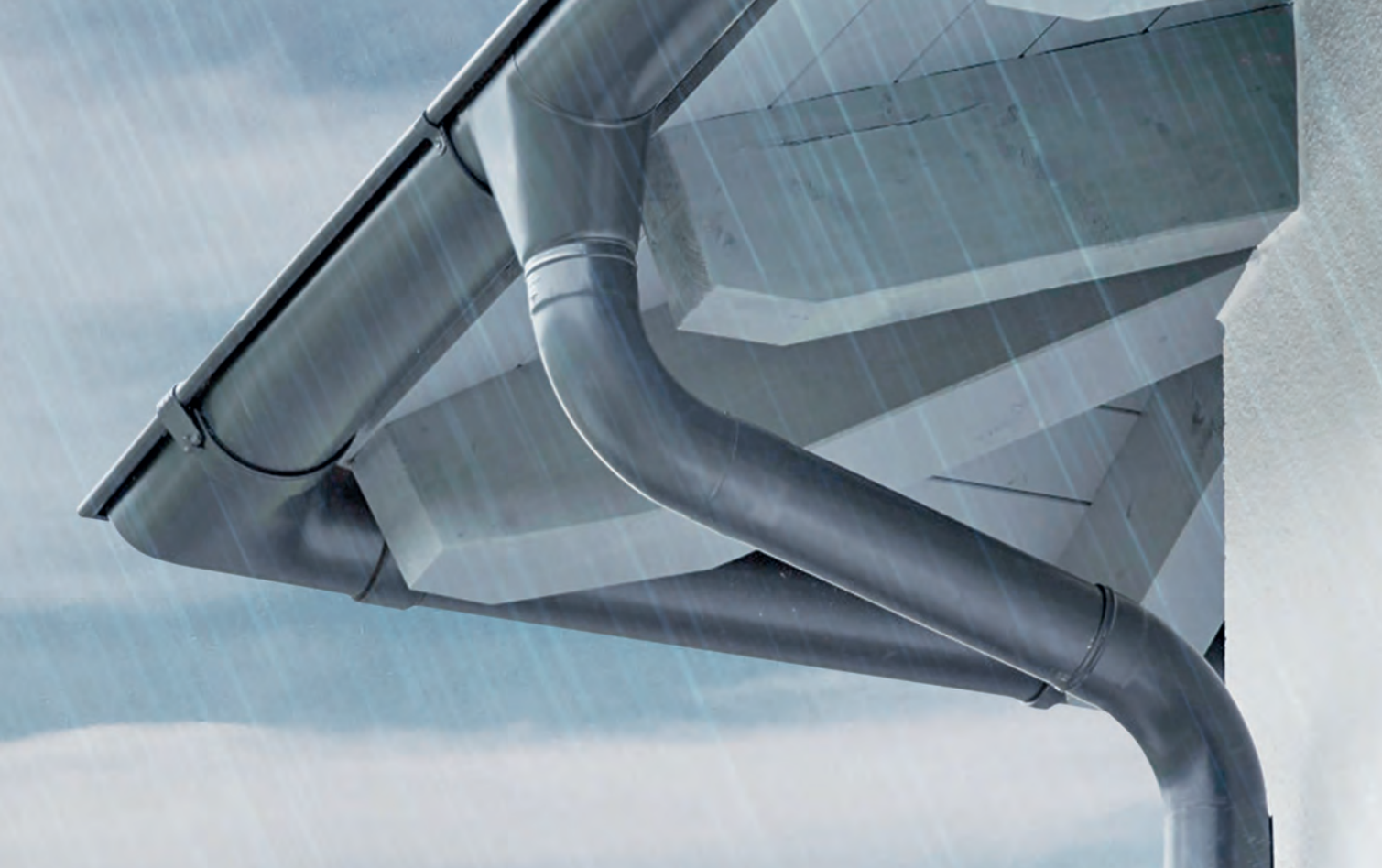
Also available with double-sided layer structure upon request

colofer® stands for continuously high quality, excellent service and our constant desire to be one step ahead.

The product is 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 up to an altitude of 2,100 m.

A large number of renowned manufacturers of drainage systems have already put their trust in the quality of colofer®.

**See for yourself and join our long list of satisfied customers.**



Eco-Pioneer



Made in Austria



colofer® Service

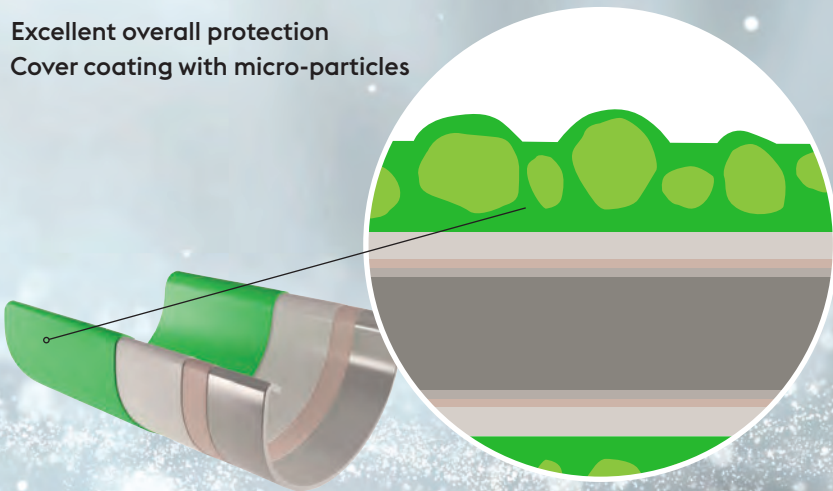
# colofer® ROBUST 25 µm

More than just extremely resistant to scratching

colofer® ROBUST is a well established product that has stood for excellent scratch resistance for **many years**. Thanks to its innovative surface structure and a layer thickness of only 25 µm, colofer® ROBUST has a much higher scratch resistance than comparable products. It protects your drainage system from mechanical damage that can occur during installation or use.

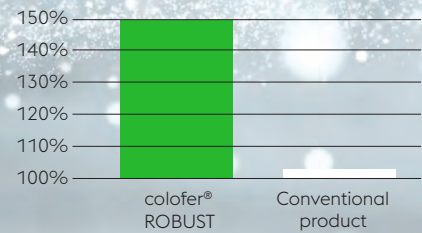


Excellent overall protection  
Cover coating with micro-particles



- colofer® topcoat
- Micro-particles

### Scratch resistance of colofer® ROBUST



## A SURFACE WITH OUTSTANDING PROPERTIES

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 category (RUV 4\*) for selected colors.

We offer an automatic guarantee with a period of up to 15 years and up to an altitude of 2,100 m for drainage systems made of colofer® ROBUST.

- » Good forming properties
- » Very good resistance to scratching (30 N)
- » Highest UV resistance category (RUV 4\*)
- » Guaranteed up to an altitude of 2,100 meters

AS A RESULT OF EXTENSIVE RESEARCH AND DEVELOPMENT, THIS PRODUCT COMBINES EXCELLENT PROCESSING AND FORMING PROPERTIES WITHOUT COMPROMISING ON APPEARANCE AND FUNCTION.



\* only applies to selected standard colors

# colofer® ROBUST RAIN 35 µm

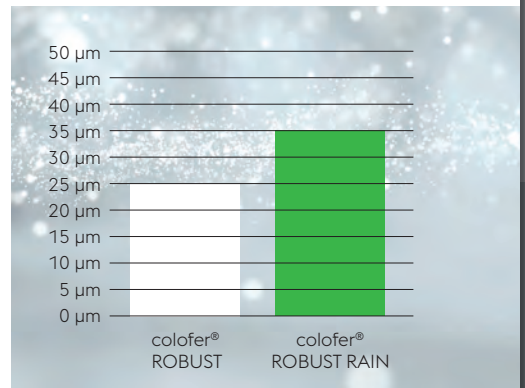
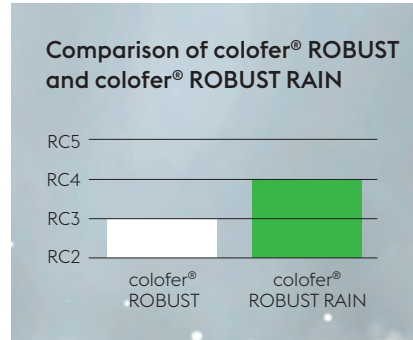
More than just extremely resistant

Based on our many years of experience as a supplier of colofer® for drainage systems we have developed colofer® ROBUST RAIN, which is a completely new product specially suited to this area of application. The higher layer thickness (35 µm) in comparison with colofer® ROBUST results in additional protection and functionality.

up to  
**18**  
YEARS  
guarantee







## WINNER IN CORROSION RESISTANCE WITH HIGHER LAYER THICKNESS

This product features increased corrosion protection and can also be used for drainage applications in environments that contain high levels of salt or are heavily polluted by industrial emissions (RC4). Furthermore, thanks to the higher layer thickness, the protection against mechanical damage is increased to 35 N. When you use colofer® ROBUST RAIN, we guarantee the highest UV resistance category (RUV 4) for a wide range of colors.

For drainage systems made of colofer® ROBUST RAIN, we offer an automatic guarantee with a period of up to 18 years, up to an altitude of 2,100 meters and in RC4 environments.

- » Very good forming properties
- » Additional resistance to scratching (35 N)
- » Additional corrosion protection (RC4)
- » Highest UV resistance category (RUV 4)
- » Guaranteed up to an altitude of 2,100 meters

THE THICKER COATING LAYER OF colofer® ROBUST RAIN ALSO ALLOWS FOR EVEN NARROWER BENDING RADII, WITHOUT AFFECTING FUNCTION OR APPEARANCE.



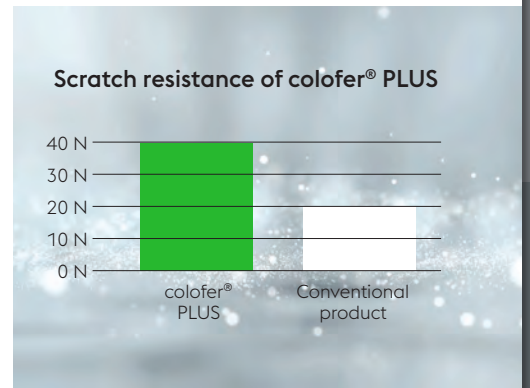
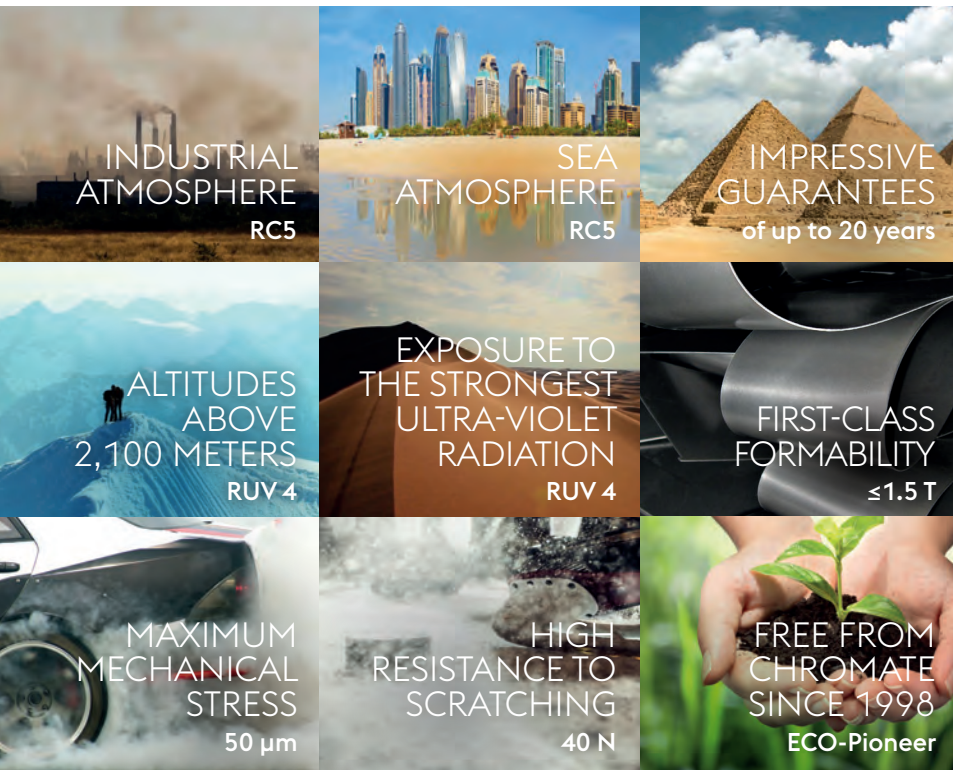
# colofer® PLUS 50 µm

More than just maximum protection

**Maximum protection and performance for drainage systems!** colofer® PLUS stands for perfect all-round protection, limitless functionality and completely chromate-free coating technology.



*Drainage system colofer® PLUS,  
Form work colofer VARIO - Grey Oak*



## DOUBLE LAYER THICKNESS FOR MAXIMUM PROTECTION

You obtain an unbeatable overall package with a high layer thickness of 50 μm in combination with the very best paints and primers. colofer® PLUS not only offers the highest possible corrosion protection (RC5), but also guarantees maximum UV resistance for all colors (RUV 4), maximum scratch resistance (40 N) and optimum processability.

For drainage systems made of colofer® PLUS, we offer an automatic guarantee with a period of up to 20 years up to an altitude of 2,100 meters and in RC4 environments.


NO OTHER colofer® PRODUCT OFFERS SUCH A HIGH LEVEL OF PROTECTION AND DURABILITY FOR YOUR DRAINAGE SYSTEM.




# colofer® FACTS

Properties in comparison	colofer® ROBUST	colofer® ROBUST RAIN	colofer® PLUS
Coating thickness	approx. 25 µm	approx. 35 µm	approx. 50 µm
Adhesion after bending	≤ 1 T	≤ 1 T	≤ 1 T
Crack formation during bending	≤ 3 T	≤ 2 T	≤ 1.5 T
Scratch resistance	≥ 30 N	≥ 35 N	≥ 40 N
UV resistance category	RUV 4*	RUV 4	RUV 4
Corrosion resistance	RC3	RC4 <sup>1)</sup>	RC5 <sup>1)</sup>

Certifications/guidelines	colofer® ROBUST	colofer® ROBUST RAIN	colofer® PLUS
EPD	✓	✓	✓
DGNB	✓	✓	✓
BREEAM	✓	✓	✓
LEED	✓	✓	✓
RoHS	✓	✓	✓
REACH	✓	✓	✓

Guarantee services for roof applications 	colofer® ROBUST		colofer® ROBUST RAIN			colofer® PLUS		
	RC2	RC3	RC2	RC3	RC4 <sup>1)</sup>	RC2	RC3	RC4 <sup>1)</sup>
Corrosion (rust)	15	10	18	12	10	20	15	12
Coating adhesion	10	5	10	8	5	10	8	5
Visual appearance	RUV 4*	RUV 4*	RUV 4	RUV 4	RUV 4	RUV 4	RUV 4	RUV 4

Guarantee periods depending on altitude 	up to 900 m	901 – 1,300 m	1,301 – 1,700 m	1,701 – 2,100 m	above 2,100 m
	Guarantee	100%	90%	70%	50%

- ✓ Available
- ☹ Only with special guarantee
- ☹ Upon request
- \* Only applies to selected standard colors
- ✗ Not available
- 1) Only available on substrate Z275

Guarantee periods rounded to whole years.  
You will find more detailed information on colofer®  
guarantees in the colofer® guarantee provisions at  
[www.voestalpine.com/colofer](http://www.voestalpine.com/colofer)

# COLOR COURAGE

## colofer® colourservice

With our colofer® color service, we are able to reproduce a large number of additional colors. Whether it be RAL, NCS, Pantone color matching systems or corporate identity guidelines, we offer a virtually unlimited color selection. We will be happy to reproduce any color on the basis of customer samples. Thanks to our high-precision measurement methods and detailed process knowledge, we can guarantee exact color matches.

## colofer® technical support

Do you need support in making the right adjustments to your production lines? Do you want assistance selecting the right product? Do you need quick support in the event of problems? Our large pool of technical experts will be happy to assist you in any way.

### Standard colors

The unique design of the production line makes it possible to achieve a very high degree of reliability in the reproduction of color shades.





# MORE THAN JUST ORGANIC COATED STEEL STRIP

**For drainage systems**

**colofer® is much more than just organic-coated steel strip.** colofer® is an inspiring product that creates added value for customers, which translates into superior quality and performance along the entire value chain.



Learn more about our colofer® services in this video.  
[www.voestalpine.com/colofer/en/Service/colofer-R-Service](http://www.voestalpine.com/colofer/en/Service/colofer-R-Service)



# colofer® ADDED VALUE

IT'S THE INNER VALUES THAT  
COUNT! THEY MAY NOT BE  
APPARENT AT FIRST GLANCE  
BUT ARE NEVERTHELESS HARD  
TO OVERLOOK ON CLOSER  
INSPECTION.



## 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 chromate from the process without compromising the excellent product performance and the length of guarantee periods.

voestalpine operates one of the cleanest and most environmentally compatible steelmaking plant in Europe and has already won the Green Brands Austria award. Additionally, it was given the title of a Steel Sustainability Champion, more than justifying its reputation as an environmental pioneer.



## More than just quality – High Quality made in Austria

Our high-tech steel strips 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

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ECO-Pioneer



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colofer® Service

