

colofer®

For technically demanding applications
More than just maximum protection



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



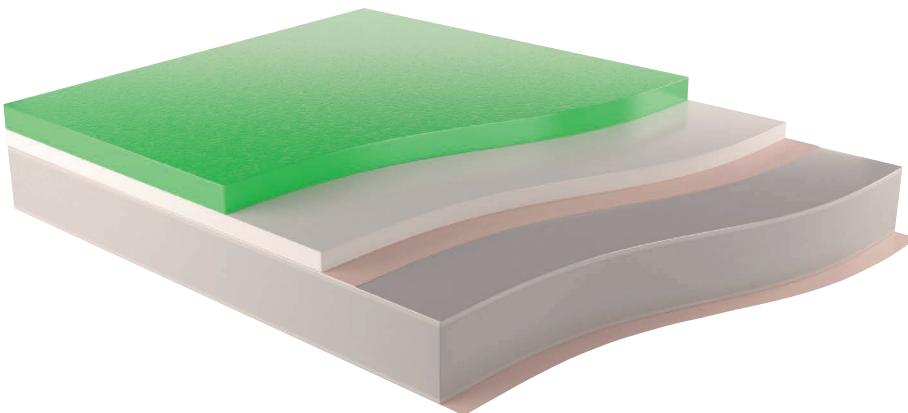


More than just maximum protection

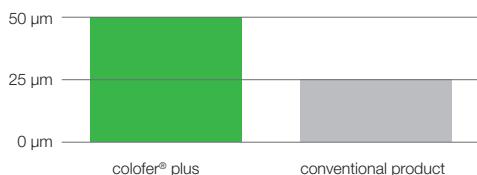
Are you planning an application under the harshest environmental conditions with high levels of stress due to corrosion, UV exposure and mechanical load? colofer® plus withstands all these extremes. In environments where other products fail, you can't go wrong with colofer® plus.

Double layer thickness for maximum protection

Very long guarantee periods even under the harshest conditions



Layer thickness of colofer® plus



Excellent all-round protection

- colofer® cover coat available in a variety of different surface textures
- Chromate-free primer since 1998
- Chromate-free pre-treatment since 1998
- Long-term corrosion protection with a zinc coating of 275 g/m²
- Wide range of voestalpine steel grades

There is only one product that is perfectly suited to applications under the harshest conditions and provides superior service life:

colofer® plus

colofer® plus is produced in compliance with the most stringent European standards and must pass our strict quality inspection procedure.

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

colofer® plus

More than just maximum protection

40
YEAR
guarantee



Different from other products

The impending ban of chromate (Chromium VI) as part of the new REACH Directive and environmental measures have led many steelmakers to switch to chromate-free production methods. Chromating greatly influences product performance (corrosion protection, coating adhesion). Accordingly, a ban constitutes a massive interference with the production process and has an adverse effect on product performance.

colofer® has been an **ECO-Pioneer** since 1998 and we have acquired more in-depth manufacturing knowledge and product expertise in the field of chromium- and chromate-free coating technologies than any other steelmaker. Our unrivaled experience enables us to offer guarantee periods of up to 40 years for applications under the harshest conditions.



Special guarantee

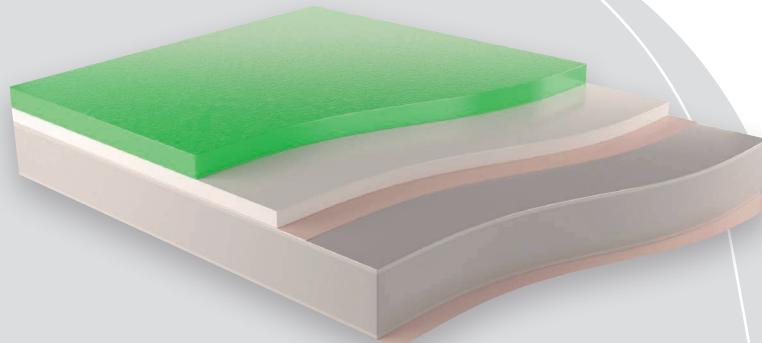
We also offer guarantees for applications in particularly demanding environments such as altitudes above 2,100 meters, coastal regions (C5-M) and industrial environments (C5-I). Upon registration, we grant special guarantees on colofer® plus for applications in such critical environments and additional services that are not covered by the automatic guarantee.

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

colofer® plus 50 µm



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





ECO-Pioneer



Made in Austria



colofer® Service

Performance of colofer® plus in comparison with colofer® classic



Highest level of corrosion protection
Highest corrosion resistance class (RC 5)

colofer® classic

RC3

colofer® plus

RC5



Highest level of UV resistance

We guarantee the highest UV resistance class (RUV 4) for all colors.

colofer® classic

RUV3

colofer® plus

RUV4



Mechanical robustness

colofer® plus features the highest level of scratch resistance of all colofer® products. This ensures maximum protection against mechanical damage.

colofer® classic 20 N

colofer® plus 40 N



Best formability

In spite of its exceptional mechanical resistance, colofer® plus possesses excellent forming properties and allows narrowest bending radii.

colofer® classic 3 T

colofer® plus 1.5 T



Longest guarantee period

No other product has a longer guarantee period.

colofer® classic 20 years

colofer® plus 40 years



Facts about colofer® plus



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



With our **colofer® colorservice**, 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 an exact match in colors.

Figures

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

Guarantees for roof and wall applications



	colofer® plus			
	RC2	RC3	RC4	RC5
Corrosion (rust perforation)	40	25	15	
Coating adhesion	15	12	8	
Appearance	RUV 4	RUV 4	RUV 4	RUV 4



	colofer® plus
Corrosion (rust perforation)	35
Coating adhesion	12
Appearance	RUV 4



	colofer® plus
Corrosion (rust perforation)	20
Coating adhesion	10

	RC2	RC3	RC4	RC5
Corrosion (rust perforation)	20	15	12	
Coating adhesion	10	8	5	
Appearance	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.

voestalpine Steel Division

voestalpine-Straße 3
4020 Linz, Austria
T. +43 50304 15-4212
produktmanagement@voestalpine.com
www.voestalpine.com/colofer