

colofer®

FOR SHEET METAL WORKERS

More than just extremely resistant
to scratching



Christoph Angeli, Customer Service

voestalpine Steel Division
www.voestalpine.com/colofer

voestalpine

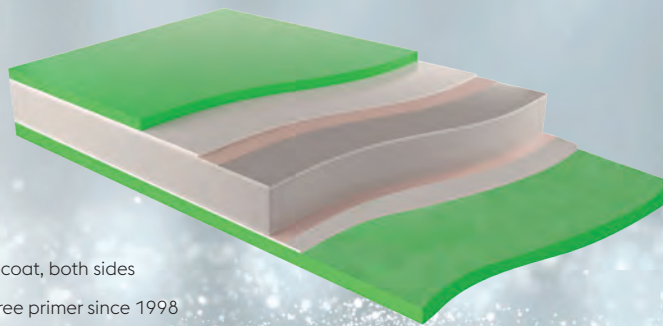
ONE STEP AHEAD.



colofer®

MORE THAN JUST EXTREMELY RESISTANT TO SCRATCHING

colofer® for sheet metal workers



- 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/m² or alternatively a zinc coating of 275 g/m²
- Specially tailored to sheet worker applications:
sgs 120 (soft)
sgm (medium)

colofer® ROBUST was specially developed for the extensive stress of outdoor applications. The specially designed, extremely resistant coating optimally protects the surface against mechanical damage. In contrast to other materials, colofer® ROBUST also meets the highest requirements for UV resistance (RUV 4*), and a double-sided layer structure ensures complete all-round protection and a long service life. We recommend this high-quality product with unique processing properties and guarantees for all sheet workers.

» colofer® ROBUST

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



Eco-Pioneer



Made in Austria



colofer® Service

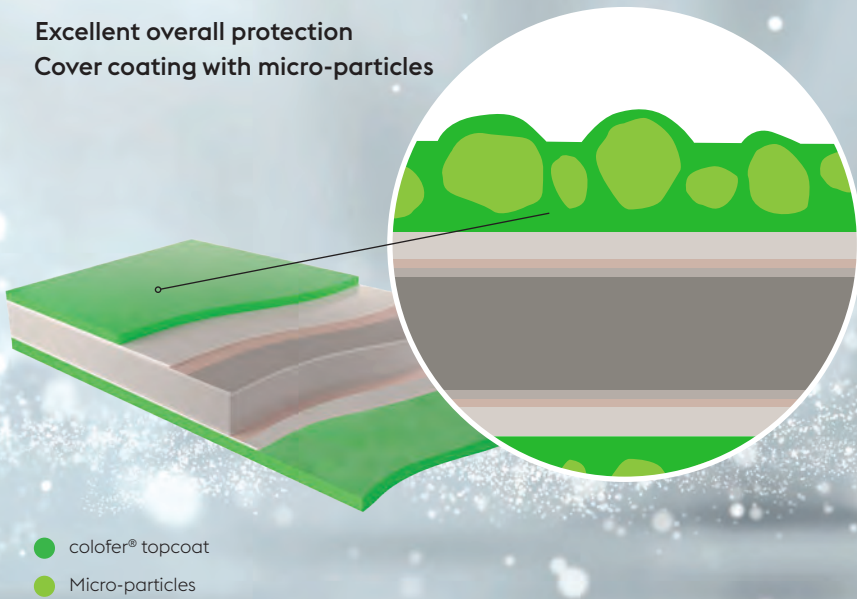
colofer® ROBUST 25 µm

More than just extremely scratch-resistant

For sheet metal workers who want to offer more to their customers. The excellent properties of colofer® ROBUST make it especially suited to the production of standing seam roofs, trough and pipe systems, sheet worker materials and for the manufacturing of facades and sheet metal cladding of all kinds. Find out here what makes colofer® ROBUST different from other products.

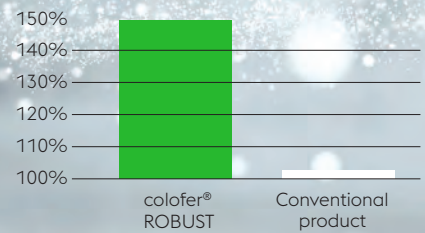


Excellent overall protection
Cover coating with micro-particles



- colofer® topcoat
- Micro-particles

Scratch resistance of colofer® ROBUST



THE INNOVATIVE TOP COAT PROVIDES AN EXTREMELY SCRATCH-RESISTANT SURFACE.

Particularly resistant paint

Based on an innovative paint and special micro-particles, colofer® ROBUST is extremely scratch-resistant and resistant to wind and weather when compared to conventional products. It also exhibits excellent formability. colofer® ROBUST even withstands hail bombardment with hailstones up to a size of 60 mm without damage.

Highest possible UV resistance category

Only high-quality paints from premium European manufacturers are used in the production of colofer® ROBUST. colofer® ROBUST therefore meets RUV 4*, the highest requirement for UV resistance specified in the standard (ÖNORM B3521-1) and from 900 meters upwards, thus ensuring intensive and durable colors over many years.

SCRATCHES AND DISCOLORATIONS CAUSED BY UV EXPOSURE ARE A THING OF THE PAST. TODAY THERE IS OPTIMAL AND LONG-TERM PROTECTION THANKS TO colofer® ROBUST.



* only applies to selected standard colors

STEEL GRADES OF EXCEPTIONAL QUALITY OPTIMIZED FOR SHEET METAL WORKERS

voestalpine operates the most modern hot-dip galvanizing lines and supplies a number of highly innovative industries, including the automotive sector. With colofer® ROBUST, you benefit from the vast experience that goes into the substrate as well as state-of-the-art coating lines. In addition to our wide range of conventional grades, we offer the following steels specially developed for sheet metal workers: sgs 120 (soft) and sgm (medium).

Long-lasting corrosion protection

A zinc-magnesium coating of 120 g/m² or a zinc coating of 275 g/m² ensures long-lasting corrosion protection, even in the area of cut edges.

No fear of wind and snow

Steel is a strong material that is able to withstand heavy wind and snow loads, guarantees high resistance to failure and is characterized by excellent workability. In addition, its thermal expansion is very low.

Comparison of thermal expansion values

Steel	1.20
Austenitic stainless steel	1.60
Zinc	1.65
Copper	2.20
Aluminum	2.38

Drainage system colofer® ROBUST,
Form work colofer® VARIO - Grey Oak



Made in Austria:

A promise of quality

colofer® ROBUST and all other colofer® products continually undergo further development and improvement processes. All data collected from free weathering tests, lab results and reference sites are continually taken into account in the adaptation and further development of the paint coating formulas, thus ensuring continuous optimization.

Comprehensive guarantee services

colofer® ROBUST offers comprehensive automatic guarantees for use as a wall element, roof element or drainage system.

Best value for your money

The overall package consists of scratch resistance, maximum UV resistance and enormous strength, thus making the price-performance ratio of colofer® ROBUST particularly interesting.

- » Extremely high resistance to scratching (30 N)
- » High level of UV resistance (RUV 4*)
- » Highest strength
- » Guaranteed up to an altitude of 2,100 meters
- » Fire protection Euroclass A1
- » Optimized price/performance ratio









The following basic rules must be followed when using colofer® ROBUST:




- » Chloride exposure must be avoided.
- » Avoid application in aggressive environments.
- » Do not use silicone containing acetic acid when processing colofer® ROBUST.
- » Ensure adequate ventilation (also at rear of claddings).
- » When direct contact with alkaline construction materials occurs, an oxygen and water barrier must be installed.





colofer® FACTS


Properties	colofer® ROBUST
Coating thickness	approx. 25 µm
Adhesion after bending	≤ 1 T
Crack formation during bending	≤ 3 T
Scratch resistance	≥ 30 N
UV resistance category	RUV 4*
Corrosion resistance	RC3






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

Guarantee services for wall applications 	colofer® ROBUST	
		
Corrosion (rust)	20	15
Coating adhesion	10	8
Visual appearance	RUV 4*	RUV 4*

Guarantee services for roof applications 	colofer® ROBUST	
	Corrosion (rust)	18
Coating adhesion	10	5
Visual appearance	RUV 4*	RUV 4*

Guarantee services for drainage applications 	colofer® ROBUST	
	Corrosion (rust)	15
Coating adhesion	10	5
Visual appearance	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

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

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

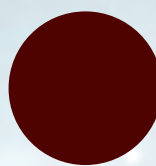
Do you need support in making the right adjustments to your production lines? Do you want assistance selecting the right product? Do you need quick support in the event of problems? Our large pool of technical experts will be happy to assist you in any way.

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.



RAL 3005



RAL 3009



RAL 6005



RAL 6011



RAL 7016



RAL 7037



RAL 8004



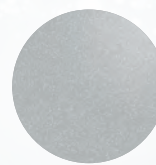
RAL 8017



RAL 9002



RAL 9005



RAL 9006



Testa di moro



ECO-Pioneer



Made in Austria



colofer® Service



MORE THAN JUST ORGANIC COATED STEEL STRIP

For sheet metal workers

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



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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