

# colofer® ROBUST

## More than just extremely resistant to scratching

**Nomen est omen.** colofer® ROBUST is a well established product that has stood for excellent scratch resistance for many years.

Thanks to its innovative surface structure and in spite of a layer thickness of just 25 µm, colofer® ROBUST convinces with a much higher resistance to scratching than comparable products and protects your drainage system against mechanical damage during assembly/installation and use.

### Convincing advantages:

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

### Typical applications:

- » Roof applications
- » Standing seam roofs
- » Gutters and tubes
- » For sheet working



Our colofer® technical support consists of a large pool of experts who will be happy to assist you with all your inquiries.

Properties	Testing standard/Inspection requirement	Typical values
Coating thickness	EN 13523-1	approx. 25 µm
Color	EN 13523-3	upon agreement
Gloss (60°)	EN 13523-2	approx. 20
Adhesion after cupping	EN 13523-6	6 mm Gt0B
Adhesion after bending	EN 13523-7	≤ 1 T peel adhesion
Crack formation during bending	EN 13523-7	≤ 3 T free of cracks
Scratch resistance	based on EN 13523-12	≥ 30 N
Temperature resistance (during use)	-	from -20 to +80 °C <sup>1)</sup>
Resistance to humidity » Continuous humidity test	EN 13523-25	Test duration: 750 h No formation of blisters on surface
Corrosion resistance » Salt spray test	EN 13523-8	Test duration: 360 h Average creepage (scratch to Zn): 2 mm max., no formation of blisters on surface
Corrosion protection class	DIN 55928-8: 1994	KIII
Corrosivity category on Z275/ZM120 substrate	DIN 55634: 2010	C3
RC category	EN 10169	RC3 on Z275 or ZM120
CPI category	EN 10169	CPI 4
UV resistance category <sup>2)</sup>	EN 10169	RUV 4*
Surface appearance	-	structured
Fire classification	EN 13501-1	A1

All testing standards are the most recent version as long as a year is not indicated.

Guarantee services for wall applications <sup>3)</sup>	RC2			RC3																					
	ZM120	Z275	Z200	ZM120	Z275	Z200																			
Corrosion (rust)	20	18	12	15	15	10																			
Coating adhesion	10	10	10	8	8	8																			
Visual appearance	RUV 4* acc. to EN 10169			RUV 4* acc. to EN 10169																					
Guarantee services for roof applications <sup>3)</sup>	RC2			RC3																					
	ZM120	Z275	Z200	ZM120	Z275	Z200																			
Corrosion (rust)	18	15	10	12	12	8																			
Coating adhesion	10	10	10	5	5	5																			
Visual appearance	RUV 4* acc. to EN 10169			RUV 4* acc. to EN 10169																					
Guarantee services for drainage applications <sup>3)</sup>	RC2			RC3																					
	ZM120	Z275	Z200	ZM120	Z275	Z200																			
Corrosion (rust)	15	15	8	10	10	5																			
Coating adhesion	10	10	10	5	5	5																			
Visual appearance	RUV 4* acc. to EN 10169			RUV 4* acc. to EN 10169																					
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				
	100%					90%*					70%*					50%*					☹				

☹ Upon request    Ⓞ Only with special guarantee    ✕ Not available    \* only applies to selected standard colors    ☹ Guarantee periods rounded to whole years.

1) No delamination of coating on even surfaces throughout guarantee period for coating adhesion. Color shades will change as a result of long-term stress at high temperature.  
 2) UV resistance category depends heavily on color. The respective RUV class is achievable only for colors noted in table „Overview of color shades“ in the Technical Terms of Delivery for colofer®. Additional colors upon request.  
 3) This guarantee between voestalpine and its direct customer shall be governed by and construed in accordance with Austrian law (with the exclusions of its conflict-of-law provisions and the UN Convention on Contracts for the International Sale of Goods of 11 April 1980 - CISG) and only valid in connection with the respective regulations of most recent version of the colofer® guarantee provisions applying at the time of the order confirmation by voestalpine.

All values reflect the current status of our experience and knowledge. Slight deviations may occur as a result of specific color and sheet thickness. Paper printouts cannot be updated on a regular basis. For this reason, please refer to the most recent version of the online data sheets found on our home page ([www.voestalpine.com/colofer](http://www.voestalpine.com/colofer)).

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