

# colofer® VARIO IRIDESCENT

## More than just versatile elegance

**Our versatile all-rounder for indoor and outdoor applications combines creativity and functionality like no other product.** A large variety of designs provide the basis for solutions that inspire.

One material, a range of colors. The colofer® IRIDESCENT line always focuses on the optical effect.

Is it real or magic? An impressive optical phenomenon is caused by light diffraction on the surface coating. Depending on the angle of view, the surface colors vary and create an surprising nuances.



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

### Convincing advantages:

- » Impressive effects
- » Excellent functionality
- » Very good Resistance to humidity
- » Very good UV resistance category
- » Comprehensive guarantee

### Typical applications:

- » Trapezoidal sections
- » Sandwich panels
- » Cassette elements



Premium quality  
with reduced carbon footprint

colofer®  
greentec steel

| Properties   | Testing standard/Inspection requirement | Typical values  |
|--|---|---|
| Coating thickness                                    | EN 13523-1                              | approx. 30 – 40 µm  |
| Color  | EN 13523-3                              | upon agreement  |
| Gloss (60°)  | EN 13523-2                              | upon agreement  |
| 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                    | ≥ 20 N  |
| Temperature resistance (during use)                  | -                                       | from -20 to +110 °C <sup>1)</sup>   |
| Resistance to humidity<br>» Continuous humidity test | EN 13523-25                             | Test duration: 750 h<br>No formation of blisters on surface   |
| Corrosion resistance<br>» Salt spray test            | EN 13523-8                              | Test duration: 500 h<br>Average creepage (scratch to Zn):<br>2 mm max., no formation of blisters on surface |
| Corrosion protection class                           | DIN 55928-8: 1994                       | K111  |
| 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                                   | -                                       | smooth  |
| Fire classification                                  | EN 13501-1                              | A1  |

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

- 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.

| Guarantee services for wall applications <sup>1)</sup> | RC2                    |      |      | RC3                    |      |      | RC4                    |      |      |
|--|------------------------|------|------|------------------------|------|------|------------------------|------|------|
|  | ZM120                  | Z275 | Z200 | ZM120                  | Z275 | Z200 | ZM120                  | Z275 | Z200 |
| Corrosion (rust)                                       | 30                     | 30   | 20   | 20                     | 20   | 15   | ⊗                      | 12   | ⊗    |
| Coating adhesion                                       | 10                     | 10   | 10   | 8                      | 8    | 8    | ⊗                      | 8    | ⊗    |
| Visual appearance                                      | RUV 4 acc. to EN 10169 |      |      | RUV 4 acc. to EN 10169 |      |      | RUV 4 acc. to EN 10169 |      |      |

  

| Guarantee services for roof applications <sup>1)</sup> | RC2                    |      |      | RC3                    |      |      | RC4   |      |      |
|--|------------------------|------|------|------------------------|------|------|-------|------|------|
|  | ZM120                  | Z275 | Z200 | ZM120                  | Z275 | Z200 | ZM120 | Z275 | Z200 |
| Corrosion (rust)                                       | 25                     | 25   | 15   | 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 periods depending on altitude | 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%             | ⊗             |

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

1) 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.



Premium quality with reduced carbon footprint

colofer®  
greentec steel

Organic-coated steel strip – greentec steel Edition

Max. carbon footprint 2.40 kg CO<sub>2</sub>e per kg of steel <sup>1)</sup>

<sup>1)</sup> per EN 15804+A2 (EPD methodology) cradle to gate

All products, dimensions and steel grades listed in each voestalpine supply range are available as greentec steel Edition.

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



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voestalpine  
ONE STEP AHEAD.