



colofer®



Organic-coated steel strip

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# colofer® VARIO UNIDECOR

## 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.

Inspired by nature and versatile in its application, Unidecor enhances optical elegance and features impressive product and processing properties.

One of the trends of the time is the use of characteristic surface textures on a variety of different materials. Unidecor convincingly imitates these textures in different designs and combines the surface structures with modern color accents.

### Convincing advantages:

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

### Typical applications:

- » Sandwich panels
- » Cassette elements
- » Garage doors
- » Doors



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. 35 µm   |
| Color  |   | upon agreement  |
| Gloss (60°)  | EN 13523-2                              | approx. 2   |
| 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                              | ≤ 2 T free of cracks  |
| Scratch resistance                                   | based on EN 13523-12                    | ≥ 15 N  |
| Temperature resistance (during use)                  | -                                       | from -20 to +80 °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: 360 h<br>Average creepage (scratch to Zn):<br>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 3   |
| 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 3 acc. to EN 10169 |      |      | RUV 3 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 3 acc. to EN 10169 |      |      | RUV 3 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 |
|---|-------------|---------------|-----------------|-----------------|---------------|
|   | Guarantee   | 100%          | ✗               | ✗               | ✗             |

☰ 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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