



# colofer® HOME ILLUSION

## Phantasy knows no bounds.

Impressively genuine! A wide variety of different surfaces are made impressively true to life by colofer® HOME ILLUSION, for example stainless steel, brushed aluminum or carbon. At the same time, the product is highly flexible in function and boasts the highest levels of material quality.

### Advantages

- » High-quality imitation of a wide variety of appearances
- » Excellent functionality
- » Individualized appearance

### Typical applications

- » Refrigerators

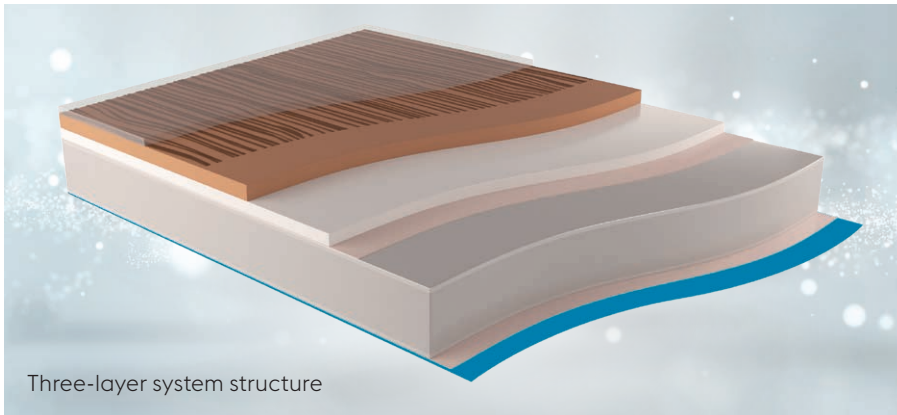


Premium quality  
with reduced carbon footprint

colofer®  
greentec steel



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



Three-layer system structure

- **Clearcoat** 10–20 µm
- **Printing ink** approx. 1 µm
- **Basecoat** 5–15 µm
- **Substrate:** Electrogalvanized steel strip or hot-dip galvanized steel strip
- **colofer® REVERSE**  
- standard for deliveries.  
Special requirements on back coat upon request.

Properties	Testing standard/Inspection requirement	Typical values
Coating thickness	EN 13523-1	> 21 µm
Colors <sup>1)</sup>	-	upon request
Surface appearance	-	upon request
Gloss (60°)	EN 13523-2	upon request
Adhesion (cross cut)	ISO 2409	0
Adhesion after bending	EN 13523-7	≤ 0,5 T <sup>2)</sup>
Crack formation after bending	EN 13523-7	≤ 2 T <sup>2)</sup>
Scratch resistance	based on EN 13523-12	> 15 N
Resistance to solvents	EN 13523-11	≥ 50 DH
Resistance to rapid deformation (Impact test)	EN 13523-5	≥ 18 J
Corrosion resistance » Salt spray test	EN 13523-8	Test duration: 240 h No formation of blisters on surface
Resistance to humidity » Continuous humidity test	EN 13523-25	Test duration: 500 h No formation of blisters on surface
Recommended processing temperature	-	20–40 °C
Environmental impact	-	RoHS-compliant

1) This cannot be guaranteed with respect to the color consistency of different production lots. Products are visually inspected.

2) Dependent on coating type and sheet thickness.

# OUR PATH TO A GREENER FUTURE

## Premium products in the greentec steel Edition

With greentec steel, voestalpine is pursuing an ambitious step-by-step plan in the long-term decarbonization of steel production. The declared objective is to achieve carbon-neutral production by 2050, and the initial steps have already been taken. Process-optimized production operations already prevent up to 10% of the direct CO<sub>2</sub> emissions at the Linz site. The material and processing properties of the steel are not affected in any way in this production route. Each voestalpine steel strip product is available in premium quality in the greentec steel Edition with a reduced carbon footprint and unique benefits.



Premium quality with reduced carbon footprint



### Organic-coated steel strip – greentec steel Edition

Max. carbon footprint 2.23 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. Technical changes reserved, errors and misprints excepted. No part of this publication may be reprinted without explicit written permission by voestalpine Stahl GmbH.

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