

# SYSTEM ADVANTAGES FOR EFFICIENT HOME AND HVAC SOLUTIONS

Organic coated steel strip

Pre- vs. Postpainted fact sheet | 07/2026

## PREPAINTED VS. POSTPAINTED: TWO PROCESSES, ONE GOAL

Which solution fits your design, shape and project logistics? **Organic coated steel strip (pre-painted/coil coating) and subsequently coated parts (postpainted/powder coating) meet different planning needs.**

Compared to postpainted parts, prepainted steel strip offers advantages across the entire value chain:



### Consistent quality through coil coating

In the coil coating process, the industrial method delivers completely smooth, repeatable surfaces with the best adhesion and corrosion performance. Each layer is applied and baked under controlled conditions for maximum UV and rust resistance and a long-lasting, high-quality look.



### colofer® for customized solutions

colofer® by voestalpine offers a wide range of organic coated steel strips tailored with excellent properties for your specific application. Printable surfaces are also available upon custom agreement.



### Optimal processing of prepainted surfaces

The coated strip can be precisely formed and bent. Shaping processes with very tight bending radii, deep drawing, or roll forming are possible without damaging the surfaces.



### More economical due to low waste

Low costs, minimal waste and short delivery times underline prepainted steel and save the processor extra effort. The entire step of coating each individual finished part afterward is eliminated.

## PREPAINTED VS. POSTPAINTED AT A GLANCE

|                                           | Organic-coated steel strip<br>(prepainted)                                                                            | Postpainted                                                                                                        |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Coating quality                           | » Very high, consistently smooth coating quality                                                                      | » Coating quality depends on application and part shape                                                            |
| Cut edges                                 | » Cut edges must be sealed structurally or professionally                                                             | » Cut edges are painted and therefore sealed                                                                       |
| Cost-effectiveness and process efficiency | » High productivity, continuous process, economical, high production volumes                                          | » Lower productivity, lower production volumes                                                                     |
| Waste                                     | » Minimal waste (consistent quality)                                                                                  | » Higher waste (coating errors, rework)                                                                            |
| Sustainability                            | » Very high sustainability (efficient industrial process), Scope 1 emissions become Scope 3 CO <sub>2</sub> emissions | » Less sustainable (individual facilities), counts toward Scope 1 CO <sub>2</sub> emissions                        |
| Logistics and planning                    | » Easier logistics processes for the customer and reduced storage space needs, precise forward planning necessary     | » Increased space required due to warehousing of uncoated semi-finished products, short-term rescheduling possible |
| Formability                               | » Very good formability (paint is flexible for shaping processes)                                                     | » Complex shapes are easier to produce                                                                             |
| Typical applications                      | » Mass production, e.g., housing parts for HVAC and household appliances                                              | » Custom or single-item production                                                                                 |

### PREPAINTED STEEL SAVES AN ENTIRE PROCESS STEP

#### Prepainted



#### Postpainted



Pre-material

Shaping

Coating

Assembly at the customer site

#### colofer® for a better tomorrow

colofer® offers a wide product range that satisfies high functional requirements and aesthetic demands.



Premium quality with reduced carbon footprint

colofer®  
greentec steel

Hot-dip galvanized 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.

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[www.voestalpine.com/colofer/en](http://www.voestalpine.com/colofer/en)



#### voestalpine Steel Division

voestalpine-Straße 3  
4020 Linz, Austria  
productmanagement@voestalpine.com  
[www.voestalpine.com/colofer](http://www.voestalpine.com/colofer)

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