

SYSTEM ADVANTAGES FOR SOPHISTICATED ARCHITECTURE

Organic-coated steel strip fact sheet

Factsheet Pre- vs. Postpainted | April 2026

PREPAINTED VS. POSTPAINTED – TWO WAYS TO ACHIEVE A COATED STEEL FACADE

Which solution fits your design, geometry and project logistics? Organic-coated steel strip (prepainted/coil coating) and post-coated components (postpainted/powder coating) meet different planning requirements.

Compared to postpainted components, organically coated steel strip offers advantages throughout the value chain:



Consistent quality with coil coating

In the strip coating process, the industrial coil coating method delivers uniform, reproducible surfaces with the best adhesion and high corrosion protection. Each layer is applied and cured under controlled conditions, ensuring maximum UV and corrosion resistance and a long-lasting, high-quality look.



Optimal processing due to functional surfaces

The coated strip can be precisely formed and bended. Profiling with tight bending radii, deep drawing, or roll forming is possible without damaging the surface.



Economically superior due to low scrap rates

Low costs per square meter, minimal scrap, and short delivery times ensure a compelling case for prepainted steel, saving the fabricator time and money. The entire post-painting process for each single finished part is eliminated.

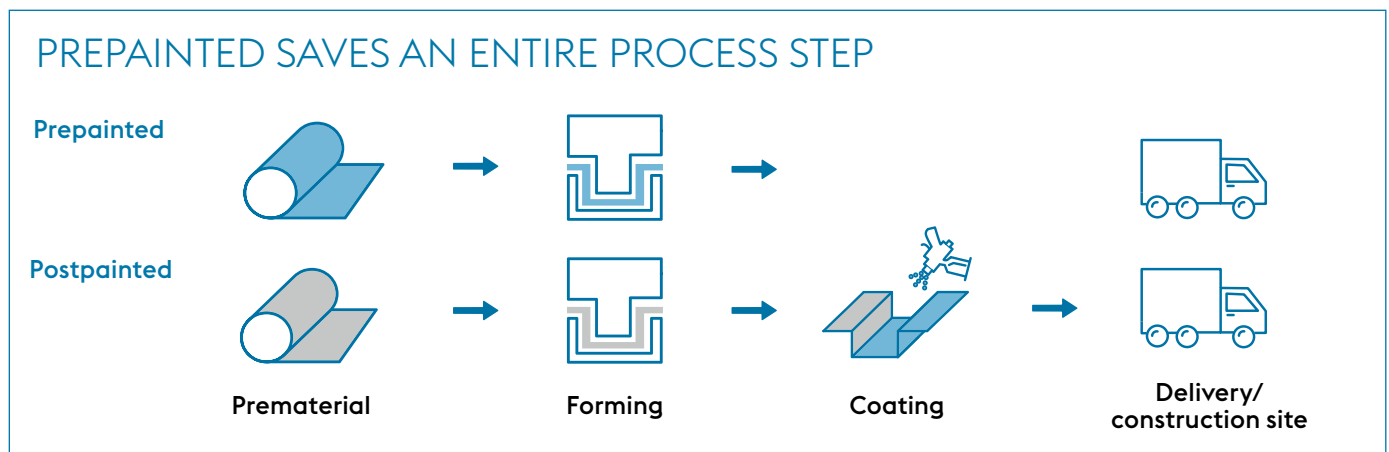


colofer® for customized solutions

colofer® by voestalpine offers a wide range of organically coated steel strips with outstanding properties: Corrosion resistance (up to RC5) and UV resistance (up to RUV5).

PREPAINTED VS. POSTPAINTED AT A GLANCE

	Organic-coated steel strip (prepainted)	Subsequent powder coating (postpainted)
Coating quality	» very high, uniformly consistent	» depends on application and component geometry
UV resistance	» very high (systems based on requirements)	» depends on powder quality
Scratch resistance	» very good (controlled curing process)	» good to very good (depending on layer thickness)
Economy and process efficiency	» high productivity, continuous process, economical, high quantities	» lower productivity, lower quantities
Scrap/Defective parts	» minimum (consistent quality)	» higher (coating errors, rework)
Sustainability	» very high (efficient industrial process)	» less distinct (individual systems)
Typical applications	» facades with clear lines » roof and wall elements » sandwich panels	» complex shapes » individual production
Geometric shaping after coating	» excellent (paint is flexible for forming processes)	» limited (paint is barely formable)



colofer® BUILDING – to be top on top

colofer® BUILDING offers a wide range of products for facades, roof and drainage systems as well as interiors that meet the highest demands in terms of quality and appearance.



Premium quality with reduced carbon footprint



Organic-coated steel strip – greentec steel Edition

Max. carbon footprint 2,23 kg CO₂e per kg steel ¹⁾

¹⁾ per EN 15804+A2 (EPD methodology) cradle to gate

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

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voestalpine Steel Division
voestalpine-Straße 3
4020 Linz, Austria
productmanagement@voestalpine.com
www.voestalpine.com/colofer

voestalpine
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