



greentec steel Edition clad

Sustainable voestalpine premium quality with a reduced carbon footprint

Up to ten percent of the carbon emissions at the Linz site are avoided through process-optimized operation in the production of the greentec steel Edition.

Using an allocation model, these saved emissions are allocated to the flat steel products supplied by the voestalpine Steel Division.

The material and processing properties of the steel are not affected by the carbon-reduced production route.

Each high-quality voestalpine steel product is available with a reduced carbon footprint and its unique profile of benefits.

Convincing advantages

- » Reduced product carbon footprint through real CO₂ savings
- » Reduced Scope 3 emissions at the customer
- » Transparency through an independently-validated allocation model
- » Unchanged range of grades and dimensions in proven voestalpine premium quality
- » No change in material and processing properties because the chemical analysis and mechanical profiles remain unchanged

CO₂ footprint of clad plates

The CO₂ footprint of clad plates is highly dependent on the type of cladding material and the ratio between the clad layer and the base material. Therefore, each project is calculated individually to ensure the respective value.

The following table provides an illustrative overview for a cladding ratio of 22+3 mm:

Product	Carbon footprint or global warming potential [kg CO ₂ e per kg of steel]*		
	Standard value according EPD	greentec steel Edition clad	greentec steel Edition clad max
Carbon steel + austenitic stainless steel e.g. 316L (1.4404)	3.26	2.93	1.43
Carbon steel + ferritic stainless steel 410S (1.4000)	2.98	2.68	1.15
Carbon steel + Alloy 825 (2.4858)	4.57	4.11	2.74
Carbon steel + Alloy 625 (2.4856)	5.20	4.68	3.37
Carbon steel + copper (2.0070)	3.61	3.25	1.78

* per EN 15804+A2 (EPD methodology) cradle to gate, upon customer request also possible per worldsteel CML 2001-2016 (system expansion).

greentec steel Edition clad

10% reduction of CO₂ emissions compared to the conventional production process.

greentec steel Edition clad max

Represents the maximum possible reduction using the allocation model.

Method of calculation

- Determination of carbon footprint (cradle to gate)
- » Based on EN 15804+A2 (Environmental Product Declaration, EPD)
- » Method pursuant to worldsteel CML 2001-2016 (upon request)

Real

- » Physical CO₂ savings in the steelmaking process
- » Use of purchased green electric power

Transparent

Traceable savings through CO₂ optimization measures implemented in the steelmaking process

Verified

CO₂-savings verified by external and independent agency (LRQA) based on EN-ISO 14064-2

More sustainability

- » Utilization of environmentally friendly transport modes and routes
- » Sustainable and high-precision packaging

Additional information
and downloads
[voestalpine.com/stahl/en](https://www.voestalpine.com/stahl/en)



The information and product properties contained in this printed material are non-binding and serve the sole purpose of technical orientation. They do not replace individual advisory services provided by our sales and customer service teams. The product information and characteristics set forth herein shall not be considered as guaranteed properties unless explicitly stipulated in a separate contractual agreement. For this reason, voestalpine shall not grant any warranty nor be held liable for properties and/or specifications other than those subject to explicit agreement. This also applies to the suitability and applicability of products for certain applications as well as to the further processing of materials into final products. (All application risks and suitability risks shall be borne by the customer.) The General Terms of Sale for Goods and Services of the voestalpine Steel Division apply to all deliveries are available at www.voestalpine.com/stahl/en/General-Terms-of-Sale. Technical changes reserved. Errors and misprints excepted. No part of this publication may be reprinted without explicit written permission by voestalpine Stahl GmbH.

voestalpine Stahl GmbH
voestalpine-Straße 3
4020 Linz, Austria
stella.sustainable@voestalpine.com
www.voestalpine.com/stella

voestalpine
ONE STEP AHEAD.