

# Nexigen®

The next generation  
of CO<sub>2</sub>-reduced steel  
& metal solutions

**kloeckner** metals

Your partner for a  
sustainable tomorrow

May 2023

# OUR AMBITIOUS CLIMATE TARGETS



## SCOPE 1 & 2 OWN DIRECT AND INDIRECT EMISSIONS

Reduction of **50 %**  
by 2030

Net zero by 2040

## SCOPE 3 UNDER DIRECT INFLUENCE

Reduction of **50 %**  
by 2030

Net zero by 2040

## SCOPE 3 SUPPLIERS AND CUSTOMERS

Reduction of **30 %**  
by 2030

Net zero by 2050



## Carbon neutral starting today

In addition to the reduction measures, offsetting of Scope 1 & 2 emissions from 2022 onwards → atmosfair: “Gold Standard” Projects

\*The Science Based Targets initiative (SBTi) is a partnership between CDP, the United Nations Global Compact, World Resources Institute (WRI) and the World Wide Fund for Nature (WWF) that drives ambitious climate action in the private sector by enabling organizations to set science-based emission reduction targets.



# NEXIGEN® STEEL CATEGORISATION

## Six categorisations for transparent carbon emissions

We have developed a categorisation for CO<sub>2</sub>-reduced steel so that customers can directly see the carbon footprint of their purchased product.



# WE'VE COME A LONG WAY IN 2022 ...

# AND THERE'S MORE IN 2023



Announced our CO<sub>2</sub>-reduced steel categorisation

**Nexigen**<sup>®</sup>

Launched new Nexigen<sup>®</sup> brand for CO<sub>2</sub>-reduced steel & metal solutions



Extended our categorisation to Alu and Stainless

## Product Carbon Footprint (PCF)



Launch of the **Nexigen<sup>®</sup> PCF Algorithm**, enabling us to calculate the individualised PCF for all 200,000 products



**PCF Declaration** available for all purchases (CO<sub>2</sub>-reduced and gray steel)

An iceberg floating in the ocean, with only the tip visible above the water surface. The rest of the iceberg is submerged, illustrating the concept of going deeper than the surface.

**OTHERS REMAIN ON  
THE SURFACE ...**

**WE DIVE DEEPER FOR OUR CUSTOMERS**

- ✓ **Individualised Product Carbon Footprints (PCF)**  
Coils, sections, sheets, profiles, ... for gray and CO<sub>2</sub>-reduced products
- ✓ **Complete emissions**  
From cradle until the product reaches your gates
- ✓ **Externally certified**  
TÜV SÜD validated methodology according to ISO 14067, ref. 14040 & 14044, and in line with GHG Protocol

# Nexigen® PCF Algorithm

✓ Developed by Klöckner & Co

✓ Product carbon footprint  
(cradle-to-customer entry gate),  
accurate to the kilogram

✓ Unique identifiers of  
your specific delivery

✓ Externally  
validated  
methodology

that the material  
Hot rolled sheets  
282.60kg  
has a CO<sub>2</sub>e footprint of  
552kg CO<sub>2</sub>e per metric ton  
(cradle-to-customer entry gate).

algorithm: slightly assured  
based on ISO 14067\*\*  
evaluated by TÜV SUD  
\* according to ISO 14046 & 14064  
www.klockner.com/pdf/algorithm

**PRODUCT CARBON FOOTPRINT DECLARATION**

Klöckner metals  
Your partner for a sustainable tomorrow

Klöckner Metals India Pvt. Ltd.  
Sample Steelwork Ltd.

Item no. 1CWX34284

Hot rolled sheets  
282.60kg

has a CO<sub>2</sub>e footprint of  
552kg CO<sub>2</sub>e per metric ton  
(cradle-to-customer entry gate).

This is a product with a product-specific CO<sub>2</sub>e footprint.  
For further information, please see our website.

Batch	Item no.	Delivery note no.	Order no.	Customer material no.	Date
1CWX34284	1CWX34284	1CWX34284	1CWX34284	1CWX34284	February 2, 2023

**nexigen**  
CO<sub>2</sub>e calculation  
based on average

1. Depending on your INCO terms with us

## WE ARE HERE FOR YOU.

With more than 700 experts from all national companies, we can support you in the purchase of CO<sub>2</sub>-reduced products & services and provide detailed answers to your questions.



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