



# Company brochure

NedZink







## Together shaping the future with sustainable beauty. Since 1892.

NedZink has been manufacturing the highest quality zinc products used in both large and small-scale projects worldwide for over 125 years. This ranks NedZink among the top four zinc producers in the world. Rolled titanium zinc is produced at the ultramodern plant in Budel-Dorplein (NL) and subsequently processed for applications in façade cladding, roofing, gutters and rainwater drainage systems.

Future-oriented management and investments in the very latest production techniques boost our market position and provide scope for new developments.

NedZink contributes to a social economy and the future by producing natural zinc products sustainably and processing them for the building industry.

What's more, zinc looks highly appealing and symbolises NedZink's mission:

**Together shaping the future with sustainable beauty.**



NedZink

## MISSION

Together shaping the future with sustainable beauty.

## VISION

NedZink achieves sustainable growth by providing the best customer experience, through committed employees.

### Our values

Our organisation has set out a clear strategic course in order to achieve our vision and mission. A course that is based on high-quality products and committed and skilled employees. After all, our people are our most important resource.

This is why NedZink's three core values are:

#### **We are safe.**

Simply because safety is all-important.

#### **We play to win.**

We make well-considered choices and adopt a smart and efficient approach.

#### **We team up to excel.**

Only as a team can we make a difference.

Our ultimate goal is to create a beautiful and sustainable future.

# 125 years in a nutshell

In **1892**, the 'Kempensche Zink Maatschappij' KZM was founded by the Belgian Dor family.

In **1968**, Billiton acquired 50% of the shares of KZM, with Billiton in turn becoming part of the Royal Dutch Shell Group in 1970.

In **1973**, titanium zinc production changed from a thermal to an electrolytic process (purity 99.995%).

In **1995**, titanium zinc production was sold to the leading Belgian international holding company 'Koramic Investment Group', after which the plant's name was changed to 'NedZink BV'.

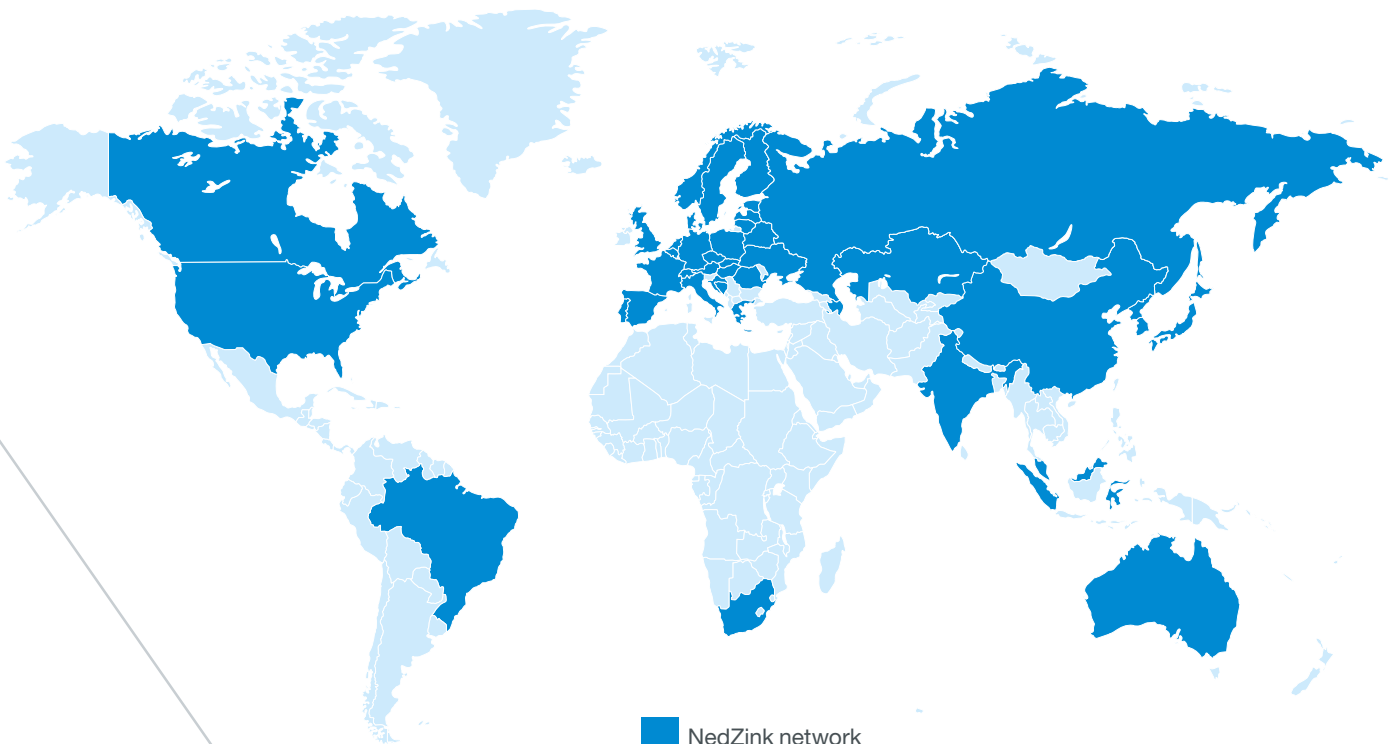
In **2018**, a joint venture agreement was signed by Koramic and the Greek ElvalHalcor, whereby ElvalHalcor acquired a share in NedZink BV by means of a capital increase. ElvalHalcor and Koramic bundled their strengths in NedZink, based on a 50/50 right of control.



**KORAMIC**  
holding



**ELVALHALCOR**  
HELLENIC COPPER AND ALUMINIUM INDUSTRY S.A.



# Sustainable and social

People and the environment are key at NedZink. We are convinced that we can only be successful in the long term if we also assume our social responsibility. We do this by continuously improving the sustainability of our processes and focusing on our employees and the people around us.

## Step by step

After we began installing solar panels in 2019, we expanded this vision in 2021. In addition to installing solar panels, NedZink also transforms gas into 100% green electricity. This will significantly reduce CO<sub>2</sub> emissions and enable us to take another sustainable step towards eventually producing our titanium zinc 100% sustainably.

Here's a list of our sustainable achievements.



### ZINK HAS A DURABLE ENVIRONMENTAL PROFILE

Due to the protective zinc patina layer, zinc has a very low corrosion rate.



### END-OF-LIFE ZINC IS 100% RECYCLED

Zinc keeps its physical properties after remelting and its very high metal value after the first use phase.



### NEDZINK STANDS FOR QUALITY

NedZink manufacturing and products meet the highest European quality standards.



### NEDZINK SCORES BEST ON ECO FOOTPRINT

Our Environmental Product Declaration EPD outperforms our competitors.





Together  
**shaping** the **future**  
**with sustainable**  
beauty





# Zinc. Zn<sup>30</sup>

Zinc has been used for thousands of years. The oldest objects made of zinc date from 1400 BC and originate from the former Transylvania. In the 1400s, zinc was even used as a currency in the Hindu kingdom of Kangra. In the West the discovery of zinc is attributed to the German Marggraf, who reduced calamine with charcoal in 1746. In industry zinc is mainly used in alloys.

## KOMO product certificate

NedZink produces titanium zinc according to EN 988 & ASTM B69, an alloy based on electrolytic pure zinc with a purity of min. 99.995% Zn (Z1 according to EN 1179) and small additions of the alloying elements copper, titanium and aluminium. The chemical composition, the mechanical and physical properties, as well as the dimensional tolerances are determined in the KOMO product certificate and the product certificate of Lloyd's Register, Industrial Quality Scheme for Product Certification by Surveillance of Quality Systems (approval No. QIS 122). In addition to continuous process monitoring, the most important material properties are verified by an independent and neutral inspection body, Lloyd's Register.

## Quality control

The materials are marked with a continuous stamp according to the provisions of NEN-EN 988 and ASTM B69, specifying the manufacturer, the product description in German, Dutch, English and French, the EN 988 standard, the nominal thickness, the batch number, the year of production and the logos of the inspection bodies Lloyd's Register and KOMO (K7054).

The product certificate and the ISO certificate 9001 for the NedZink quality management system guarantee a consistently high level of quality, fulfilling our own standards that far exceed NEN-EN 988.



# Portfolio

NedZink material is supplied in the form of coils, sheets, strips, gutters, pipes, and accessories. NedZink offers a wide range of dimensions and thicknesses, not only in NedZink NATURAL, but also in the other material types.



## NedZink NATURAL

Natural zinc that develops a patina over the years, as a result of weather conditions.



## NedZink NEO

Process patinated titanium zinc with a matt, subtly brushed surface in mineral grey.



## NedZink NOVA

Process patinated titanium zinc with a matt, subtly brushed surface in natural grey.



## NedZink NOIR

Process patinated titanium zinc in anthracite black.



## NedZink NUANCE

Process patinated titanium zinc with pigments. Depending on the pigment chosen, this results in a pre-patinated zinc variant with a blue, red, green or brown hue.



## NedZink COMPOSITE

A panel consisting of 2 layers of pre-patinated 'NedZink NOVA' zinc and a plastic core (LDPE).



## NedZink Pro-Tec

Titanium zinc produced by NedZink with a protective layer on the back for applications on both cold and hot roof constructions.

# Precision from raw material to finished product

## **Packaging and transport**

NedZink titanium zinc is always stored and transported so that it remains dry and ventilated. Even after delivery, mechanical damage must be avoided at all times. The product must always be protected against damage from any impact (dents, bumps) and abrasion. The metal surfaces must be adequately protected, even if a protective film has been applied.

## **At the construction site**

The product must also be stored in a dry and ventilated place at the construction site. It must be protected against rising damp. Open storage and outdoor storage with a cover and packaging that causes condensation must be avoided. We recommend avoiding mechanically processing zinc and removing the film below a material temperature of 7°C.

## **Correct processing**

To optimally benefit from the long lifespan of NedZink material it is important that the zinc is processed correctly. For the correct processing instructions, such as soldering the various types of NedZink products, combining zinc with other materials, and guidelines for processing zinc, we refer you to our website [www.nedzink.com](http://www.nedzink.com), or to our technical advisory guide, in which these matters are described in detail.

# Technical info and documentation

NedZink provides technical advice throughout a project, starting with the architect and extending to the building site. In addition to excellent product quality and an extensive guarantee, NedZink offers its customers assistance with daily processing. Please contact NedZink's technical department for immediate assistance or advice on design, detailing, planning and processing.

We have extensive technical information available in printed or digital format to answer questions regarding technical use. It can be consulted on our website at [www.nedzink.com](http://www.nedzink.com).

## Warranty

NedZink's technical know-how and well thought-out quality management, combined with regular quality tests by independent inspection bodies, guarantee uniform high quality of our finished and semi-finished products. Nevertheless, it is still possible for an issue to occur. In this case NedZink offers its customers the security of a direct warranty claim so that any damage is settled quickly and professionally.

# Seven Zinc Certainties

If you opt for titanium zinc, you are opting for a natural and extremely durable building material. At NedZink we call these benefits the Seven Zinc Certainties.



## ZINC HAS A LONG SERVICE LIFE

A product life of 75 up to 100 years.



## ZINC IS 100% RECYCLABLE

Zinc has a relatively high residual value and is therefore mostly recycled.



## ZINC IS MAINTENANCE-FREE

Dirt has no effect on zinc.



## ZINC CAN BE USED UNCONDITIONALLY

Local authorities cannot prohibit zinc, this is against national (government) policy.



## ZINC HAS AN EXCELLENT ENVIRONMENTAL RECORD

The environmental profile of titanium zinc is outstanding: e.g. due to a low CO<sub>2</sub> (greenhouse gas) contribution and acidification.



## ZINC IS SELF-REPAIRING

Zinc obtains a uniform self-healing patina layer.



## ZINC IS MORE DURABLE THAN ALTERNATIVES

Zinc scores as most sustainable building metal.



### ENVIRONMENTAL PRODUCT DECLARATION

as per ISO 14025 and EN 15804+A2

Owner of the Declaration	<b>NedZink B.V.</b>
Programme holder	Institut Bauen und Umwelt e.V. (IBU)
Publisher	Institut Bauen und Umwelt e.V. (IBU)
Declaration number	EPD-NED-20200257-IBA1-EN
Issue date	
Valid to	

**NedZink NOVA, NedZink NEO, NedZink NOIR  
NedZink B.V.**



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**NedZink NATUREL  
NedZink B.V.**



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**NedZink achieves**  
sustainable growth  
**by providing the best**  
customer  
experience  
**through committed**  
**employees.**







# NedZink



## The Netherlands

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### NedZink trademarks

NedZink® NATUREL, NedZink® NEO, NedZink® NOVA, NedZink® NOIR, NedZink® NUANCE,  
NedZink® Pro-Tec, NedZink® NOVA STRUCTURE, NedZink® NOVA COMPOSITE en NTZ®.

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