

Technical data and material characteristics of NedZink titanium zinc

Datasheet





NedZink NATUREL

Natural titanium zinc

Product description

NedZink NATUREL is titanium zinc according to EN 988, an alloy based on electrolytically refined zinc (with a purity of min. 99,995% Zn, Z1 according to EN 1179) with small additions of the alloy elements copper, titanium and aluminium. The chemical composition, mechanical and physical properties and measurement tolerances are determined in EN 988.

The ISO 9001 certificate for the quality management system at NedZink assures a constant and uniform high quality standard, far exceeding EN 988.

Natural titanium zinc is used among others for roof and façade cladding, roof gutters and rainwater drainage systems.

Product range NedZink NATUREL

SHEETS

Material thickness	0,60 mm – 0,65 mm - 0,70 mm – 0,80 mm – 1,00 mm
Standard sizes	1000 x 2000 mm, 1000 x 2250 mm, 1000 x 3000 mm
Packaging	on pallets of approx. 1 ton

SMALL COILS (≤ 250 kg)

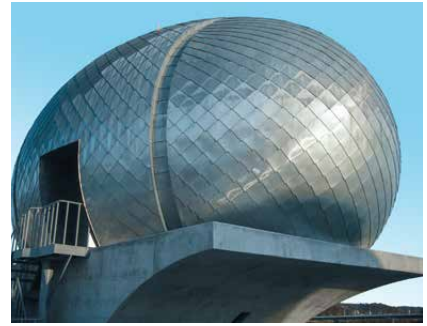
Material thickness	0,60 mm – 0,65 mm - 0,70 mm – 0,80 mm – 1,00 mm
Coil inside dimension	small coils < 250 kg: 300 mm small coils = 250 kg: 500 mm
Length small coils < 250 kg	at coil widths < 500 mm: 42 meter at coil widths ≥ 500 mm: 30 meter
Packaging	ID 300 mm: 6 per pallet ID 500 mm: 4 per pallet

STANDARD COILS

Material thickness	0,60 mm – 0,65 mm - 0,70 mm – 0,80 mm – 1,00 mm
Available widths	400 mm – 450 mm – 500 mm – 550 mm – 570 mm – 600 mm – 650 mm – 700 mm – 1000 mm
Coil inside dimension	508 mm
Weight	min. 500 kg – max. 6000 kg (depending on the width)

Other sizes and thicknesses are on request. The standard dimensions differ per country.

NedZink NATUREL has a smooth rolled surface. After assembly, a practically insoluble zinc patina layer originates after a certain time due to the influences of weather conditions. During this time it is inevitable that the surface will temporarily take on an irregular appearance.



NedZink NEO, NOVA & NOIR

Pre-weathered titanium zinc in mineral grey, medium grey or black

Product description

NedZink NEO is pre-weathered titanium zinc with a matte, subtle brushed surface in a mineral grey colour. NedZink NOVA also has this matte subtle brushed surface but has a natural medium-grey colour. And finally NedZink NOIR, pre-weathered titanium zinc in a black colour.

The colours of these pre-weathered variants originate after a chemical surface treatment following the rolling process.

The structure and composition of the patina layer that is normally naturally formed by weather influences is simulated, and the natural properties of the titanium zinc are fully retained.

Pre-weathered titanium zinc is mainly used for aesthetically high quality building applications for roofs and façades, and associated roof drainage systems and accessories.

Product range NedZink NEO, NOVA & NOIR

SHEETS

Material thickness	0,60 mm – 0,65 mm - 0,70 mm – 0,80 mm – 1,00 mm
Standard sizes	1000 x 2000 mm, 1000 x 2250 mm, 1000 x 3000 mm
Packaging	on pallets of approx. 1 ton

SMALL COILS (≤ 250 kg)

Material thickness	0,60 mm – 0,65 mm - 0,70 mm – 0,80 mm – 1,00 mm
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STANDARD COILS

Material thickness	0,60 mm – 0,65 mm - 0,70 mm – 0,80 mm – 1,00 mm
Available widths	400 mm – 450 mm – 500 mm – 550 mm – 570 mm – 600 mm – 650 mm – 700 mm – 1000 mm
Coil inside dimension	508 mm
Weight	min. 500 kg – max. 6000 kg (depending on the width)

Other sizes and thicknesses are on request. The standard dimensions differ per country.



NedZink NUANCE

Pre-weathered titanium zinc in different colour nuances

Product description

NedZink NUANCE is pre-weathered titanium zinc with pigments. This results depending on the selected pigment in a pre-weathered zinc variant with a red, green, blue or brown colour nuance. These pigments also provide additional protection to the pre-weathered zinc.

The natural properties of titanium zinc; high durability, maintenance-free and good deformation properties are fully retained. NedZink NUANCE is mainly used for aesthetically high quality building applications: outside for roofs and façades or inside for various design applications.

Any other desired colour is upon request.

Product range NedZink NUANCE

COILS	
Widths	500 mm - 600 mm - 1000 mm
Thickness	0,70 mm
Weight	max. 1000 kg (at width 1000 mm)

NedZink NUANCE is provided on a project basis.

Fire rating

Class A1 / non combustible

Warranty

For NedZink NUANCE the standard material warranty is applicable. The durability of the colour depends on the environment in which it is installed. NedZink does not guarantee the lifespan of the colour.



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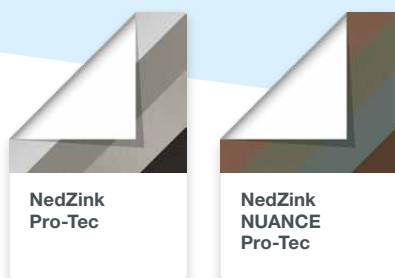
NedZink Pro-Tec

NedZink titanium zinc with protective coating on the back

Product description

Natural titanium zinc or pre-weathered titanium zinc with a protective coating on the back side for application on either cold or hot roof constructions. This protective coating protects the zinc against the effects of water vapour and other substances.

The good processing properties of zinc are retained. NedZink Pro-Tec can be used in all standard systems, but is mainly recommended for unventilated, damp proof hot roof and façade constructions.



Product range

NedZink Pro-Tec is provided on a project basis. For thickness and width dimensions of NedZink Pro-Tec material, please contact sales@nedzink.com

Processing and specific recommendations

NedZink NEO, -NOVA, -NOIR and -NUANCE are assembled with the visible side on the outside. The assembly direction, indicated with arrows on the backside, must always be respected.

NedZink NEO, -NOVA, -NOIR, -NUANCE and the corresponding pro-tec versions are supplied with a foil to protect the surface during transportation, processing and installation. This foil should be removed immediately and in one smooth motion after assembly at the construction site. Mechanical deformation of the zinc below 7° C material temperature and removal of the protective foil is not allowed. Furthermore NedZink NEO, -NOVA, -NOIR and the corresponding Pro-Tec versions are provided with a temporary protective coating to protect the surface against fingerprints (AFP-coating).

As NedZink NEO, -NOVA, -NOIR and -NUANCE are natural products small colour differences due to slight variations in the base material may occur. Use material from the same production batch for each particular project to minimize colour variations.

In order to adequately solder NedZink NEO, -NOVA, -NOIR and -NUANCE, the surface has to be stripped of its top layer until the smooth rolled surface of NedZink NATUREL is visible.

Transport and storage

NedZink products are packed and sent dry. The advice is to store titanium zinc dry and in a constant as possible temperature. This reduces the probability of condensation formation.

Properties of the material

A continuous stamp is applied to the back of all products in accordance with the provisions of EN 988 with the markings:

- NedZink NTZ
- The name titanium zinc in 4 languages; Dutch, German, French and English
- Product standard EN 988
- The nominal thickness
- Batch number
- Year of production
- The logo of KOMO

The products supplied when incorporated within any system, compliant with the suppliers guidelines for processing and installation, will remain water impervious and not perforate due to manufacturing defects.

For additional information about the product range and the processing of NedZink products, see our website www.nedzink.com

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NedZink



NedZink trademarks

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

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