



# Material data and care instructions

## Zinc

Notes on using products made of zinc from Richard Brink GmbH & Co. KG

**Richard Brink** GmbH & Co. KG  
Metallwarenfabrikation und Vertrieb  
Görlitzer Straße 1  
33758 Schloß Holte-Stukenbrock  
Phone 0049 (0)5207 95 04-0  
Fax 0049 (0)5207 95 04-20  
Mail [anfragen@richard-brink.de](mailto:anfragen@richard-brink.de)  
[www.richard-brink.com](http://www.richard-brink.com)

We manufacture products such as edge profiles from titanium zinc. Thanks to the zinc alloy and small amounts of titanium and copper, the material is easy to mould. This material has very high level of corrosion resistance and therefore a very long service life. Under normal conditions, a protective blue-grey layer is formed over time that also makes it resistant to sea air. The outer appearance of the titanium zinc surface never changes. It is extremely easy to clean and maintain.

**Do you have any questions?  
We will be pleased to help you!**

### 1. How is titanium zinc corrosion-resistant and are there any limitations?

Our titanium zinc products, once installed, are constantly under the influence of oxygen. Contact with oxygen causes a permanent protective layer (*patina*) to form, which makes the material extremely resistant to environment influences.

The following materials can cause titanium zinc to corrode, as they contain acids that aid the corrosion process:

- Gypsum and grout containing sulphates
- Bitumen and plastic asphalt
- Different types of wood (*e.g. due to tannic acid*)
- Different types of metal

Note that when used at the same time as other metals, e.g. metals used for fastenings, contact corrosion may occur. Always avoid copper products. Preferably, connectors made of stainless steel (V2A) should be used.

### 2. Cleaning and caring for titanium zinc

Once the patina layer is formed, titanium zinc is extremely low maintenance. Nevertheless, we recommend cleaning the surface regularly and checking it for any changes (*once or twice a year*).

Do not using cleaning agents to clean the material. It is generally sufficient to lightly brush the surface in order to remove soiling.