

v.1

## **PATINATION OF ZINGA**

ZINGA is an active coating interacting with the environment. The active Zinc will prevent steel from rusting as the Zinc is oxidised to different Zinc salts, creating an electron flow which prevents steel from corroding and forming rust.

The chemical reactions occurring on the ZINGA surface are displayed below:



In reaction with water (rain, condensation), different Zinc salts are formed which slightly differ in shades of grey.

Upon normal weathering, the ZINGA patination will form a more or less even grey as a result of different Zinc salts. More solulable Zinc salts will be removed from the surface, resulting in a more dark grey colouring over time.

If a fresh layer of ZINGA is splashed with water (e.g. rain) during the first days after application, the areas which were water saturated will show a different grey colour to the areas which were not.

This can result in an uneven ZINGA patination which might form an aesthetic issue for some end customers.

It is important to note that this Zinc coloured 'staining' will fade in time as more Zinc salts are formed on the surface, and -most important- that **this does not affect the performance of ZINGA in any way.** 



The information on this sheet is merely indicative and is given to the best of our knowledge based on practical experience and testing. Any claim concerning deficiencies must be made within 15 days upon reception of the goods quoting the relevant batch number. We retain the right to change the formula if properties of the raw material are changed. This technical sheet replaces all former specimens.