



Evolution of VMZINC Natural-zinc and QUARTZ-ZINC®

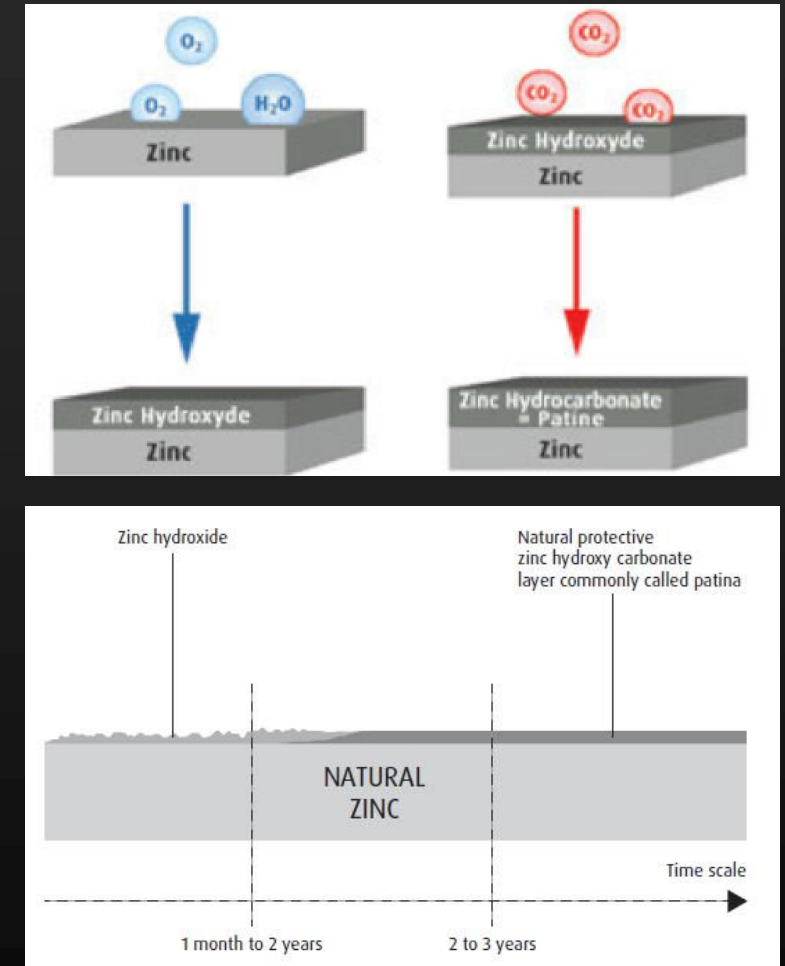
Tallinn 01/03/2023

Formation of the natural patina

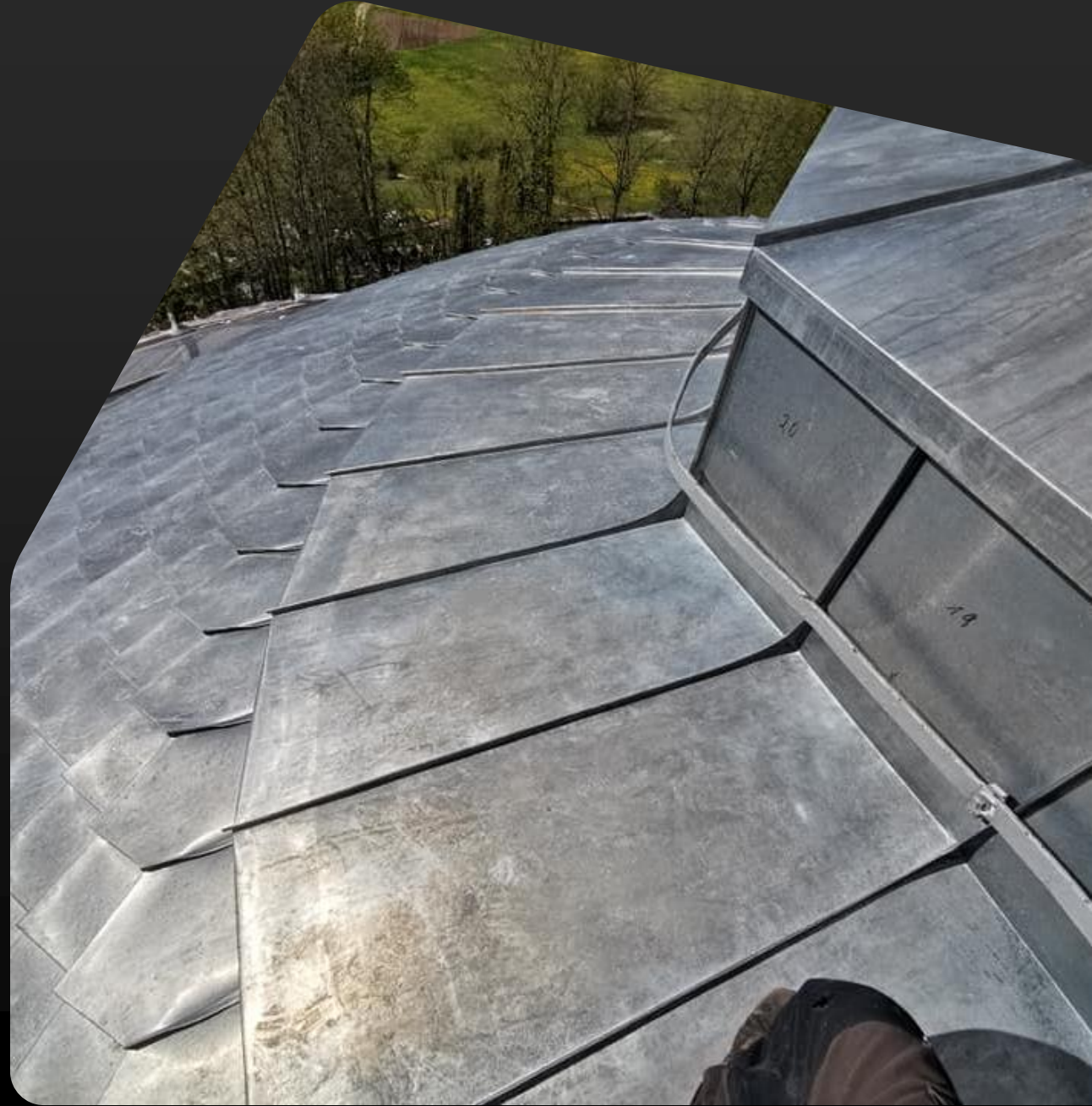
Zinc reacts with water to form zinc hydroxide; this then reacts with CO_2 to form the stable compound zinc hydroxy carbonate.

The amount of time required for formation of the patina from Natural zinc will depend on the exposure of the zinc to water. a low slope roof may only require 3 years whereas a protected soffit may require over 10 years exposure.

Natural VMZINC has a shiny metallic appearance when new and develops a patina over time. In facade applications, it may take 10 years for the matt grey patina to form.



Evolution of VMZINC Natural-zinc



Realisation in 2022, Lithuania

0,5 years / Natural zinc



MAZINC

Realisation in 2020, Lithuania

2,5 years / Natural zinc



VMZINC

Realisation in 2019, Lithuania

4 years / Natural zinc



VMZINC

Realisation in 2013, Poland

10 years / Natural-zinc



VMZINC

Realisation in 2010, Poland

13 years / Natural-zinc



VMZINC

Evolution of VMZINC QUARTZ-ZINC®



Preweathered QUARTZ-ZINC®

Satin and luminous velvet grey zinc

QUARTZ-ZINC offers an appearance and texture that does not change over time. When QUARTZ-ZINC is scratched, it will self heal. The matt grey tones of QUARTZ-ZINC blend well with existing construction materials. QUARTZ-ZINC is produced through a phosphatation of mill finish Natural zinc.

The darkness of the pre-weathered zinc is measured electronically using a y figure where 0 is black and 100 is white. acceptable tolerance of QUARTZ-ZINC, $y = 22$ to 25 .



QUARTZ-ZINC®

VAZINC

Realisation in 2019 Lithuania

3,5 years / QUARTZ-ZINC



VMZINC

Realisation in 2016, Poland

7 years / QUARTZ-ZINC



VMZINC

Realisation in 2014, Lithuania

9 years / QUARTZ-ZINC



VAZINC

Realisation in 2013, Lithuania

10 years / QUARTZ-ZINC



MAZINC

Realisation in 2013, Germany

10 years / QUARTZ-ZINC



VMZINC

Realisation in 2013, Germany

10 years / QUARTZ-ZINC



VMZINC

Realisation in 2007, Germany

16 years / QUARTZ-ZINC



VMZINC

Realisation in 2007, Poland

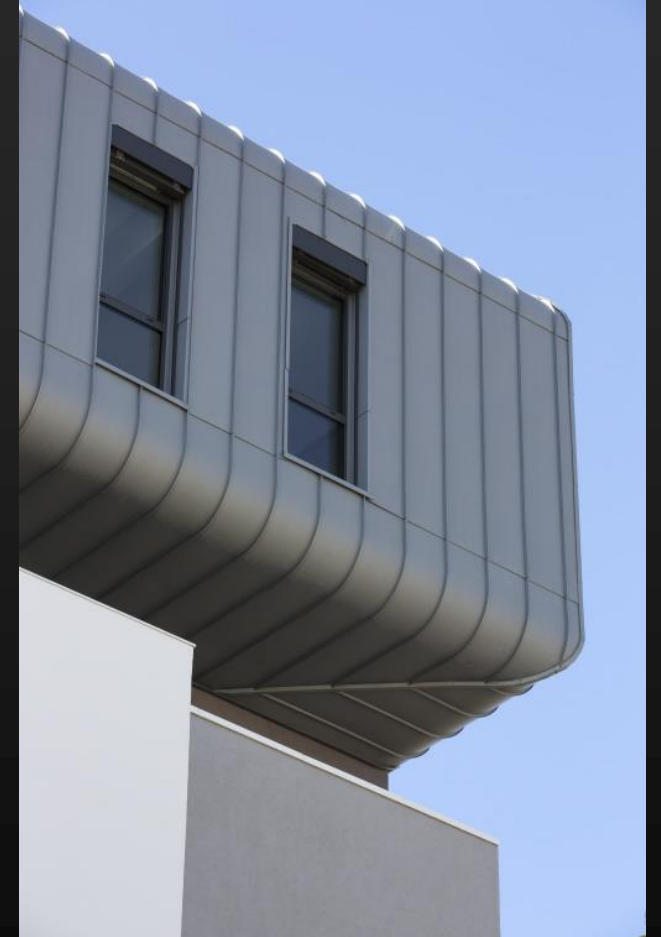
16 years / QUARTZ-ZINC



MAZINC

The advantages of QUARTZ-ZINC®

- **Shade: specific characteristics that differentiate QUARTZ-ZINC®**
- The closest shade to that of naturally weathered zinc, *right from day one*
- *The most homogeneous shade and texture available on the market*
- *The shade is durably stable*
- *QUARTZ-ZINC® remains beautiful over time, enhancing the architectural concept*
- **Naturally superior resistance of QUARTZ-ZINC® material**
- *The layer of crystalline patina makes the material naturally durable*
- *QUARTZ-ZINC® is the zinc with the greatest resistance to atmospheric oxidization*



www.vmzinc.com

VMZINC