



Ref.: SECR\Verzekeringen & Controle\Insurance Policy Zingametall EN

Eke, 1 August 2022

"One can conclude that ZINGA has to be compared to hot dip galvanisation and has even a lower corrosion rate..."
Extract of the BNF Fulmer Report - Oxford UK.

TO WHOM IT MAY CONCERN

PRODUCTS WARRANTY / PRODUCTS GUARANTEE ZINGA®.

Zingametall BV is covered by a **Products Liability insurance**.
Zingametall BV also provides a standard **products performance warranty** for its anticorrosion solutions. On request, but against premium payment, an **insured product and application performance guarantee** can be obtained. The product and application performance guarantee is given through the intermediate of an external insurance company upon the client's demand, or upon the contracting parties' (applicator's) demand. It also requires compulsory inspections on the surface preparation and on the coating application by an independent third party coating inspector.
We have also obtained **system guarantees**, backed by tested results according to the latest **ISO 12944:2018** standard.

1. Products Liability and Products warranty

We, Zingametall BV, manufacturer of the film galvanising system ZINGA®, herewith declare that we **guarantee the quality and the performance of the product ZINGA®.**

We confirm that all components used in ZINGA® are provided by companies certified under ISO 9001:2015.

We also declare that the production of ZINGA® is certified by several independent and external control organisations through regular and annual supervisions.

Hence, we provide a **10 year products' performance warranty** for our ZINGA® unique system 2 x 60 µm DFT, subject to applying this system according our specifications.

Our Products Liability cover is backed by the insurance company **AXA** (pol.n°. 010.730.386.333). A copy of the **AXA** insurance certificate is available on request.

2. Product and Application performance guarantee

We, Zingametall BV, can intervene as intermediary in order to obtain an insurance backed Product and Application performance guarantee.

A Product and Application insurance backed performance guarantee can be obtained through **Marine Underwriting Services** (international insurance broker in Riga, Latvia) and with the collaboration of insurer **HDI GLOBAL SPECIALTY SE**, rated A+ at S&P (Hannover, Germany).

Marine Underwriting Services can offer a product-application guarantee with a duration of maximum 5 years (renewable for the same period) and one-off premium for the whole guarantee period.

If you are interested please contact the undersigned.



3. ZINGA® System guarantees and durability

Upon testing according to **ISO 12944:2018**, we were able to obtain excellent results which are expressed in a long life expectancy of different ZINGA® systems in different environments. These tests were performed by an independent coating laboratory (COT, The Netherlands).

DURABILITY

C4 environment (industrial areas and coastal areas with moderate salinity):

ZINGA® 90µm DFT :	VERY HIGH
ZINGA® 60µm DFT + ALU ZM 30µm DFT :	VERY HIGH
ZINGA® 60µm DFT + ZINGALUFER 80µm DFT :	VERY HIGH
ZINGA® 60µm DFT + ZINGACERAM HS 120µm DFT :	VERY HIGH
ZINGA® 60µm DFT + ZINGACERAM HS 40µm + ZINGACERAM PU 60µm:	VERY HIGH
AQUAZINGA 75µm DFT :	VERY HIGH
ZINGALU 110µm DFT :	VERY HIGH

C5 environment (industrial areas with high humidity and aggressive atmosphere and coastal areas with high salinity):

ZINGA® 90µm DFT :	HIGH
ZINGA® 120µm DFT :	VERY HIGH
ZINGA® 60µm DFT + ALU ZM 30µm DFT :	HIGH
ZINGA® 60µm DFT + ZINGALUFER 80µm DFT :	HIGH
ZINGA® 60µm DFT + ZINGACERAM HS 120µm DFT :	HIGH
ZINGA® 60µm DFT + ZINGACERAM HS 40µm + ZINGACERAM PU 60µm:	HIGH
ZINGA® 60µm DFT + ZINGACERAM HS 80µm + ZINGACERAM PU 60µm:	VERY HIGH
AQUAZINGA 75µm DFT :	HIGH
ZINGALU 110µm DFT :	HIGH

CX environment (offshore areas with high salinity and industrial areas with extreme humidity and aggressive atmosphere and subtropical and tropical atmospheres):

ZINGA® 120µm DFT :	HIGH
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Im2 & Im3 environment (structures immersed in sea or brackish water without cathodic protection & Buried tanks, steel piles, steel pipes):

ZINGA® 120µm DFT :	MEDIUM
ZINGA® 60µm DFT + ZINGATARFREE 90µm + ZINGATARFREE 90µm:	VERY HIGH

Im4 environment (structures immersed in sea or brackish water with cathodic protection):

ZINGA® 120µm DFT :	HIGH
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considering:

- Medium = Life Expectancy between 7 to 15 years.
- High = Life Expectancy between 15 to 25 years.
- Very High = Life Expectancy more than 25 years.

The ISO 12944 standard is intended to assist engineers and corrosion experts in adopting best practice in corrosion protection of structural steel at new construction and repairs.

ISO 12944 is progressively superseding national standards to become a truly global benchmark in corrosion control.



Important consideration (abstract from the ISO 12944 standard):

Since the durability of a protective system is normally assumed to be shorter than the expected service life of the structure, additional considerations shall be given at the planning and design stage to the possibility of their maintenance or (partial or total) refurbishment.

The durability range is not a "guarantee time". Durability is a technical consideration/planning parameter that can help the owner set up a maintenance program. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

Bruno Saverys
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"One can conclude that ZINGA is comparable to the hot dip galvanising system with respect to protection properties ..."

Extract of the report of Prof. dr. ir. DEFRANCO –
University of Ghent (Belgium); Corrosion Dept.