



ZINGA®

Asset integrity for eternity.



**SVENSKA
YTSKYDD**

ZINGAMETALL PRODUCTS

Zingametall Products

A. Film Galvanizing systems

ZINGA



ZINGA is a one component coating that contains 96% zinc in the dry film and provides cathodic protection

ZINGA as primer:

- in duplex or triplex systems
- protects against corrosion undercreep where damage on the coating system has occurred.

ZINGA as a stand-alone system:

- When no colour is required: Zinga has a grey colour
- Very easy to maintain (Reloadable)
- Easy and fast application
- Durability: C5 - Very High
- High impact resistance
- Good slip coefficient



Zingametall Products

A. Film Galvanizing systems

ZINGALU

Zingalu is a one component coating that contains 90% zinc and 4% aluminum flakes in the dry film and provides cathodic protection. Zingalu is developed for aesthetical reason. The aluminum flakes give a bright finish colour, matching the color of HDG

Zingalu is not advised as primer as it is developed for its aesthetics

Zingalu as stand-alone system:

- Very easy to maintain (reloadable)
- Easy and fast application
- C5 High durability





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ZINGAMETALL SYSTEMS

Zingametall Systems

B. The importance of ISO 12944

12944-2: Classification of environments - Atmospheric

Corrosion category	Exterior	Interior
C1	-	Heated buildings with clean atmospheres, e.g. offices, shops, schools, hotels.
C2	Atmospheres with low level of pollution. Mostly rural areas.	Unheated buildings where condensation may occur, e.g. depots, sports halls.
C3	Urban and industrial atmospheres, moderate sulphur dioxide pollution. Coastal areas with low salinity.	Production rooms with high humidity and some air pollution, e.g. food-processing plants, laundries, breweries, dairies.
C4	Industrial areas and coastal areas with moderate salinity.	Chemical plants, swimming pools, coastal ship- and boatyards.
C5	Industrial areas with high humidity and aggressive atmosphere and coastal areas with high salinity.	Buildings or areas with almost permanent condensation and with high pollution.
CX	Offshore areas with high salinity and industrial areas with extreme humidity and aggressive atmosphere and subtropical and tropical atmospheres.	Industrial areas with extreme humidity and aggressive atmosphere



Zingametall Systems

B. The importance of ISO 12944

12944-2: Classification of environments - Immersion

Corrosion category	Environment	Examples of environments and structures
Im1	Fresh water	River installations, hydro-electric power plants
Im2	Sea or brackish water	Immersed structures without cathodic protection (e.g. Harbour areas with structures like sluice gates, locks, jetties; offshore structures)
Im3	Soil	Buried tanks, steel piles, steel pipes
Im4	Sea or brackish water	Immersed structures with cathodic protection (e.g. Harbour areas with structures like sluice gates, locks, jetties; offshore structures)



Zingametall Systems

C. Third party approved systems for atmospheric exposure

System	Category	Durability
ZINGA® 90 µm	C5	High
ZINGA® 120 µm	C5	Very High
ZINGA® 120 µm	CX	-
ZINGALU 110 µm	C5	High
ZINGA® 60 µm + ALU ZM 30 µm	C5	High
Aquazinga 75 µm	C5	High
Zinga 60 µm + Zingalufer 80 µm (+ topcoat)	C5	High
Zinga 60 µm + Zingaceram HS 40 µm + Zingaceram PU 60 µm	C5	High
Zinga 60 µm + Zingaceram HS 80 µm + Zingaceram PU 60 µm	C5	Very High



Zingametall Systems

D. Third party approved systems for immersion

System	Category	Durability
ZINGA® 120 µm	Im2/3	Medium
ZINGA® 120 µm	Im4	High
ZINGA® 60 µm + 2 x Zingatarfree 90 µm	Im2/3	Very High



Zingametall Systems

E. Third party approved systems for offshore environments

System	Category	Durability
ZINGA® 120 µm	CX	High
ZINGA® + Zingaceram HS 150µm + Zingaceram PU 60µm	CX	High

* Both systems were tested and approved by Shell Global last year





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TECHNICAL/SAFTY DATA SHEET

Technical and safty data sheet

- Technical data sheet (TDS)
- Safty data sheet (SDS)

Attached in PDF outside this document.



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