



**ZINGA**<sup>®</sup>



International  
Organization for  
Standardization

# ZINGAMETALL

CLASSIFICATION OF SYSTEMS  
ACCORDING TO ISO 12944:2018



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## CLASSIFICATION OF ENVIRONMENT

### THE CORROSIVE ENVIRONMENT

C3	Urban and industrial atmospheres, moderate sulphur dioxide pollution. Coastal areas with low salinity.
C4	Industrial areas and coastal areas with moderate salinity.
C5	Industrial areas with high humidity and aggressive atmosphere and coastal areas with high salinity.
CX	Offshore areas with high salinity and industrial areas with extreme humidity and aggressive atmosphere and subtropical and tropical atmospheres.
Im1	Structures immersed in fresh water (ex. river installations, hydro-electric power plants)
Im2	Structures immersed in sea or brakish water without cathodic protection (e.g. Harbour areas with structures like sluice gates, locks, jetties; offshore structures).
Im3	Buried tanks, steel piles, steel pipes.
Im4	Structures immersed in sea or brakish water with cathodic protection (e.g. Harbour areas with structures like sluice gates, locks, jetties; offshore structures).



## CLASSIFICATION OF DURABILITY

### THE REQUIRED LIFETIME

Low	up to 7 years
Medium	7 to 15 years t
High	15 to 25 years
Very High	More than 25 years



## SYSTEMS IN A C3 ENVIRONMENT



COAT 1		COAT 2		COAT 3		DURABILITY			
Product	DFT (µm)	Product	DFT (µm)	Product	DFT (µm)	Low	Medium	High	Very High
ZINGA®	60					✓	✓	✓	✓
ZINGA®	60	Zingaceram PU	80			✓	✓	✓	✓
Zingalu	60					✓	✓	✓	✓
Aquazinga	60					✓	✓	✓	✓

Tested by external laboratoria - Tested internally by Zingametall



## SYSTEMS IN A C4 ENVIRONMENT

COAT 1		COAT 2		COAT 3		DURABILITY			
Product	DFT (µm)	Product	DFT (µm)	Product	DFT (µm)	Low	Medium	High	Very High
ZINGA®	90					✓	✓	✓	✓
ZINGA®	60	Alu ZM	30			✓	✓	✓	✓
ZINGA®	60	Zingaceram PU	80			✓	✓	✓	
ZINGA®	60	Zingalufer	80			✓	✓	✓	✓
ZINGA®	60	Zingaceram HS	120			✓	✓	✓	✓
ZINGA®	60	Zingaceram HS	40	Zingaceram PU	60	✓	✓	✓	✓
Aquazinga	75					✓	✓	✓	✓
Zingalu	110					✓	✓	✓	✓

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# SYSTEMS IN A C5 ENVIRONMENT



COAT 1		COAT 2		COAT 3		DURABILITY			
Product	DFT (µm)	Product	DFT (µm)	Product	DFT (µm)	Low	Medium	High	Very High
ZINGA®	90					✓	✓	✓	
ZINGA®	120					✓	✓	✓	✓
ZINGA®	60	Alu ZM	30			✓	✓	✓	
ZINGA®	60	Zingalufer	80			✓	✓	✓	
ZINGA®	60	Zingaceram HS	120			✓	✓	✓	
ZINGA®	60	Zingaceram HS	40	Zingaceram PU	60	✓	✓	✓	
ZINGA®	60	Zingaceram HS	80	Zingaceram PU	60	✓	✓	✓	✓
Zingalu	110					✓	✓	✓	
Aquazinga	75					✓	✓	✓	
<b>Aquazinga</b>	<b>60</b>	<b>Zingaceram HS</b>	<b>120</b>			✓	✓	✓	✓
<b>Aquazinga</b>	<b>60</b>	<b>Zingalufer</b>	<b>80</b>			✓	✓	✓	✓

Tested by external laboratoria - Tested internally by Zingametal







## SYSTEMS IN A CX ENVIRONMENT



COAT 1		COAT 2		COAT 3		DURABILITY			
Product	DFT (µm)	Product	DFT (µm)	Product	DFT (µm)	Low	Medium	High	Very High
ZINGA®	120								
ZINGA®	60	Zingalufer	100						
ZINGA®	60	Zingaceram HS	120	Zingaceram PU	60				

CX-systems are per definition classified as a "High" durability

Tested by external laboratoria - Tested internally by Zingametall



## SYSTEMS IN IMMERSION

COAT 1		COAT 2		COAT 3		ENVIRONMENT	DURABILITY			
Product	DFT (µm)	Product	DFT (µm)	Product	DFT (µm)		Low	Medium	High	Very High
ZINGA®	120					Im2/3	✓	✓		
ZINGA®	120					Im4				
ZINGA®	60	Zingatartree	90	Zingatartree	90	Im2/3	✓	✓	✓	✓

Im4-systems are per definition classified as a "High" durability

Tested by external laboratoria - Tested internally by Zingametall

