



ZINGA®



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	River installations, hydro-electric power plants.
Im2	Immersed structures without cathodic protection (e.g. Harbour areas with structures like sluice gates, locks, jetties; offshore structures).
Im3	Buried tanks, steel piles, steel pipes.
Im4	Immersed structures 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
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



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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					✓	✓	✓	
Aquazinga	60	Zingaceram HS	120			✓	✓	✓	✓
Aquazinga	60	Zingalufer	80			✓	✓	✓	✓

Tested by external laboratoria - Tested internally by Zingametall





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					Not Applicable			
ZINGA®	60	Zingalufer	100						
ZINGA®	60	Zingaceram	120	Zingaceram PU	60				

Tested by external laboratoria - Tested internally by Zingametall



SYSTEMS IN IMMERSION

COAT 1		COAT 2		COAT 3		ENVIRON- MENT	DURABILITY			
Product	DFT (µm)	Product	DFT (µm)	Product	DFT (µm)		Low	Medium	High	Very High
ZINGA®	120					Im2/3	✓	✓		
ZINGA®	120					Im4	Not Applicable			
ZINGA®	60	Zingatarfree	90	Zingatarfree	90	Im2/3	✓	✓	✓	✓

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