Barpimo
BARNICES PINTURAS

ISO 12944 2018

Anti-corrosion regulations

Barpimo The largest range of paints on the market

A family business founded 50 years ago, Barpimo is a leading supplier of paints and varnishes for the metal, wood and decoration industries.

Both in the metal manufacturing and in the anti-corrosion treatment sectors, **the company offers a wide selection of products that range from primers to enamels, through to next generation hydro-soluble paints, as well as epoxy and polyurethane products.**

Since the beginning, Grupo Barpimo has maintained a constant commitment to **investing in R+D projects** and has equipped its laboratories with the latest advances and the most modern technology.

Barpimo is **approved and certified with the ISO 9001:2000 Standard of Quality Management, the ISO 14001:2004 Standard of Environmental Management and the OSHAS 18001 Standard of Health and Safety in the Workplace.**

In 1998 the company was the winner of the **Prince Felipe Award for Business Excellence and then, in 2000, the European Environmental Award** for its sustainable environmental management.

Barpimo **is a company that is committed to the progress of people and society**, constantly contributing to different social causes, such as research into the fight against cancer, collecting for food banks and blood and bone marrow donors.

5 .000 clients continents

5 R+D laboratories

75.000 surface area

ISO 12944:2018

Protecting steel structures

The ISO 12944 standard is one of the leading international standards for the protection against steel corrosion by use of paint.

It is a guide that helps professionals to know which coating to apply, and ensures an adequate protection against the corrosion of steel equipment and structures in different locations.

This standard covers protective paints designed for application on non-coated blasted steel, heat-treated galvanised steel, and surfaces covered in a thermal zinc coating.

How to choose the most suitable coating?

In order to choose a coating system that meets the ISO 12944:2018 standard, these three steps should be followed:

STEP 01 **Environment**
What kind of environment does the structure have?

STEP 02 **Durability**
What is the expected life span of the structure?

STEP 03 **Coating**
Which is the most suitable for the structure?

Barpimo
BARNICES PINTURAS

STEP 01

Environment

What kind of environment does the structure have?

CORROSIVENESS

CATEGORY	OUTDOORS	INDOORS
C1 (Very low)		Buildings with heating and clean environments, for example: Offices, shops, schools...
C2 (Low)	Environments with low pollution levels. Mainly rural areas.	Buildings with no heating that are prone to condensation, for example: Warehouses, sports centres...
C3 (Medium)	Urban and industrial environments, with moderate levels of sulphur dioxide contamination. Coastal areas with low levels of salinity.	Urban and industrial environments, with moderate levels of sulphur dioxide contamination. Coastal areas with low levels of salinity.
C4 (High)	Industrial environments and coastal areas with moderate levels of salinity.	Chemical plants, swimming pools, coastal vessels and shipyards.
C5 (Very high)	Industrial areas with high levels of humidity and with an aggressive environment.	Buildings or areas with almost permanent condensation and with high levels of contamination.

WATER AND FLOOR

CATEGORY	ENVIRONMENT	STRUCTURES
Im1	Fresh water	Installations in rivers, hydro-electric power stations...
Im2	Brackish or sea water	Sea ports with the following structures: Gate, locks (water valves), water pilings, harbours, maritime structures...
Im3	Land	Underground tanks, steel piles, pipework...

STEP 02

Durability

What is the expected life span of the structure?

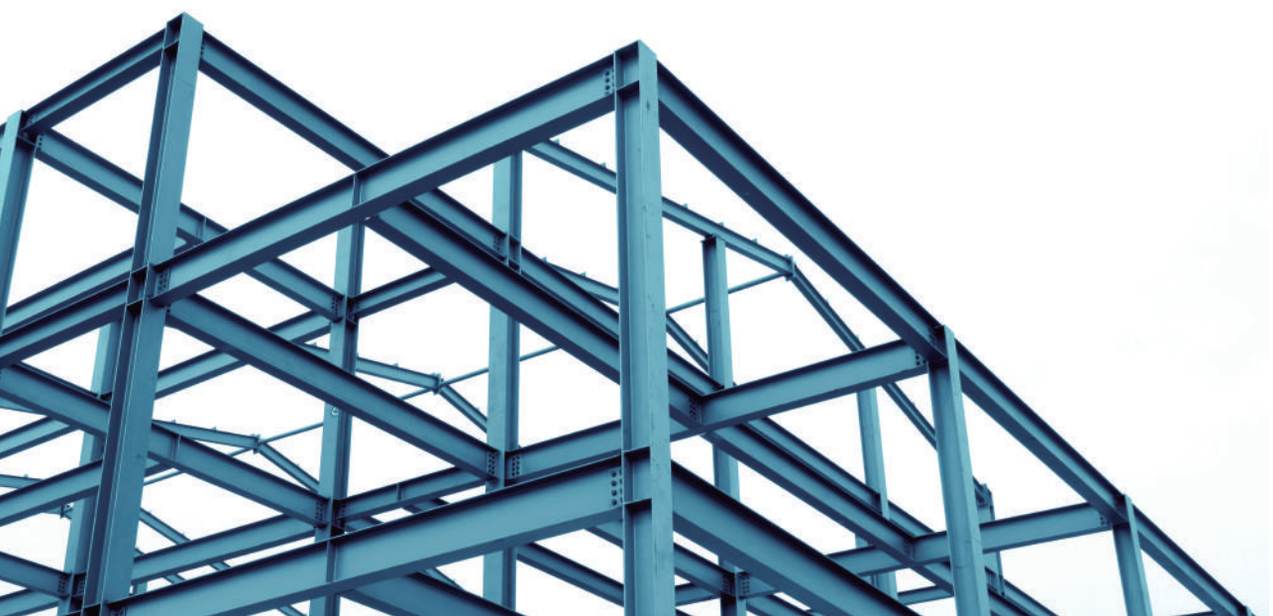
USEFUL LIFE

CATEGORY	DURABILITY	YEARS
L	Low	Up to 7 years
M	Average	Between 7 and 15 years
H	High	Between 15 and 25 years
VH	Very high	Over 25 years

Durability does not mean "warranty period". **Durability is a technical consideration which may help the owner establish a maintenance programme.**

The warranty period has a legal consideration, and is subject to clauses in the administrative part of the contract. **A product's warranty period is usually shorter than its durability.**

There are no rules to relate these two time periods. Therefore, the severity of the coating failure, before the coating is subjected to the first maintenance work, should be agreed between the interested parties and assessed in accordance with **ISO 4628-1 to 4628-5 standards**, unless otherwise agreed between the interested parties.



STEP 03

Coating

for Carbon Steel with Corrosive Category C2

	PRIMER				SUBSEQUENT COATS				PAINTING SYSTEM		DURABILITY			
SYSTEM No.	Product	Product type	Number of coats	EPS	Product	Product type	Number of coats	EPS	Nº coats in total	Nº coats in total	L	M	H	VH
C2.01	Antic. LC Primer	AK	1	50	Cenit / Barpimel	AK	1	30	2	80	✓			
C2.02	Antic. LC Primer	AK	1	50	Cenit / Barpimel	AK	1	50	2	100	✓	✓		
C2.05	Dualcotex LS	PUR	1	60						60	✓	✓		
C2.05	Premier Epoxi G.Z.	EP	1	60	Lacapol DD	PUR	1	60	2	120	✓	✓	✓	
C2.06	Barepik 870 FC	EP	1	120	Lacapol DD	PUR	1	60	2	180	✓	✓	✓	✓
C2.06	Barepik 870 Water	EP	2	60	Lacapol Water	PUR	1	60	3	180	✓	✓	✓	✓
C2.07	Barpizinc	ZN	1	60					1	60	✓	✓	✓	
C2.08	Barpizinc	ZN	1	80	Dualcotex LS	PUR	1	80	2	160	✓	✓	✓	✓

STEP 03

Coating

for Carbon Steel with Corrosive Category C3

	PRIMER				INTERMEDIATE				FINISH				PAINTING SYSTEM		DURABILITY			
SYSTEM No.	Product	Type	Nº coats	EPS	Product	Type	Nº coats	EPS	Product	Type	Nº coats	EPS	Nº coats in total	Nº coats in total	L	M	H	VH
C3.01	Antic. LC Primer	AK	1	50					Cenit / Barpimel	AK	1	50	2	100	✓			
C3.05	Dualcotex LS	PUR	1	60					Dualcotex LS	PUR	1	60	2	120	✓	✓		
C3.05	G.Z. Epoxy Primer	EP	1	60					Lacapol DD	PUR	1	60	2	120	✓	✓		
C3.06	Barepik 870 FC	EP	1	120					Lacapol DD	PUR	1	60	2	180	✓	✓	✓	
C3.06	Barepik 870 Water	EP	1	60	Barepik 870 Water	EP	1	60	Lacapol Water	PUR	1	60	3	180	✓	✓	✓	
C3.08	Barpizinc	ZN	1	60									1	60	✓	✓		
C3.09	Barpizinc	ZN	1	50	Barepik 870 FC	EP	1	60	Lacapol DD	PUR	1	50	3	160	✓	✓	✓	
C3.10	Barpizinc	ZN	1	70	Barepik 870 FC	EP	1	80	Lacapol DD	PUR	1	50	3	200	✓	✓	✓	✓

STEP 03

Coating

for Carbon Steel with Corrosive Category C4

	PRIMER				INTERMEDIATE				FINISH				PAINTING SYSTEM		DURABILITY			
SYSTEM No.	Product	Type	Nº coats	EPS	Product	Type	Nº coats	EPS	Product	Type	Nº coats	EPS	Nº coats in total	Nº coats in total	L	M	H	VH
C4.01	Antic. LC Primer	AK	1	50	Imprimación Antic. LC	AK	1	50	Cenit / Barpimel	AK	1	60	3	160	✓			
C4.04	G.Z. Epoxy Primer	EP	1	60					Lacapol DD	PUR	1	60	2	120	✓			
C4.05	Barepik 870 FC	EP	1	120					Lacapol DD	PUR	1	60	2	180	✓	✓		
C4.05	Barepik 870 Water	EP	2	60					Lacapol Water	PUR	1	60	3	180	✓	✓		
C4.06	Barepik 870 FC	EP	2	90					Lacapol DD	PUR	1	60	3	240	✓	✓	✓	
C4.08	Barpizinc	ZN	1	60									1	60	✓	✓		
C4.09	Barpizinc	ZN	1	80					Dualcotex LS	PUR	1	80	2	160	✓	✓		
C4.10	Barpizinc	ZN	1	70	Barepik 870 FC	EP	1	80	Lacapol DD	PUR	1	50	3	200	✓	✓	✓	
C4.11	Barpizinc	ZN	1	80	Miox Barp	EP	1	120	Lacapol DD	PUR	1	60	3	260	✓	✓	✓	✓

STEP 03

Coating

for Carbon Steel with Corrosive Category C5

	PRIMER				INTERMEDIATE				FINISH				PAINTING SYSTEM		DURABILITY			
SYSTEM No.	Product	Type	Nº coats	EPS	Product	Type	Nº coats	EPS	Product	Type	Nº coats	EPS	Nº coats in total	Nº coats in total	L	M	H	VH
C5.01	Barepik 870 FC	EP	1	120					Lacapol DD	PUR	1	60	2	180	✓			
C5.01	Barepik 870 Water	EP	2	60					Lacapol Water	PUR	1	60	3	180	✓			
C5.02	Barepik 870 FC	EP	1	90	Barepik 870 FC	EP	1	90	Lacapol DD	PUR	1	60	3	240	✓	✓		
C5.03	Barepik 870 LV	EP	1	140					Dualcotex LS	PUR	2	80	3	300	✓	✓	✓	
C5.05	Barpizinc	ZN	1	80					Dualcotex LS	PUR	1	80	2	160	✓			
C5.06	Barpizinc	ZN	1	70	Barepik 870 FC	EP	1	80	Lacapol DD	PUR	1	50	3	200	✓	✓		
C5.07	Barpizinc	ZN	1	80	Miox Barp / Imp Epoxi Al	EP	1	120	Lacapol DD	PUR	1	60	3	260	✓	✓	✓	
C5.07	Silibarp	ZN	1	80	Miox Barp	EP	1	120	Lacapol DD	PUR	1	60	3	260	✓	✓	✓	

STEP 03

Coating

for Galvanised Steel

		PRIMER				FINISH				PAINTING SYSTEM		DURABILITY			
SYSTEM No.	CATEGORY	Product	Product type	Number of coats	EPS	Product	Product type	Number of coats	EPS	Nº coats in total	EPS	L	M	H	VH
G2.01	C2	Dualcotex LS	PUR	1	80					1	80	✓	✓	✓	
G2.03		G.Z. Epoxy Primer	EP	1	70	Lacapol DD	PUR	1	50	2	120	✓	✓	✓	✓
G3.01	C3	Dualcotex LS	PUR	1	80					1	80	✓	✓		
G3.02		G.Z. Epoxy Primer	EP	1	70	Lacapol DD	PUR	1	50	2	120	✓	✓	✓	
G3.04		Barepik 870 FC	EP	1	100	Lacapol DD	PUR	1	60	2	160	✓	✓	✓	✓
G4.01	C4	Dualcotex LS	PUR	1	80					1	80	✓			
G4.02		G.Z. Epoxy Primer	EP	1	70	Lacapol DD	PUR	1	50	2	120	✓	✓		
G4.04		Barepik 870 FC	EP	1	100	Lacapol DD	PUR	1	60	2	160	✓	✓	✓	
G4.06		Barepik 870 FC	EP	2	80	Lacapol DD	PUR	1	40	3	200	✓	✓	✓	✓
G5.01	C5	G.Z. Epoxy Primer	EP	1	70	Lacapol DD	PUR	1	50	2	120	✓			
G5.02		Barepik 870 FC	EP	1	100	Lacapol DD	PUR	1	60	2	160	✓	✓		
G5.04		Barepik 780 FC	EP	2	80	Lacapol DD	PUR	1	40	3	200	✓	✓	✓	

Barpimo

BARNICES PINTURAS

San Fernando, 116
26003 Nájera (La Rioja) · SPAIN
TEL.: (+34) 941 410 000
FAX: (+34) 941 410 111
informa@barpimo.com
www.barpimo.com