BPCOAT
Anticorrosive Series

CAREFULLY SELECTED PARTICLES



Anticorrosive Series

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BPCOAT Anticorrosive Series

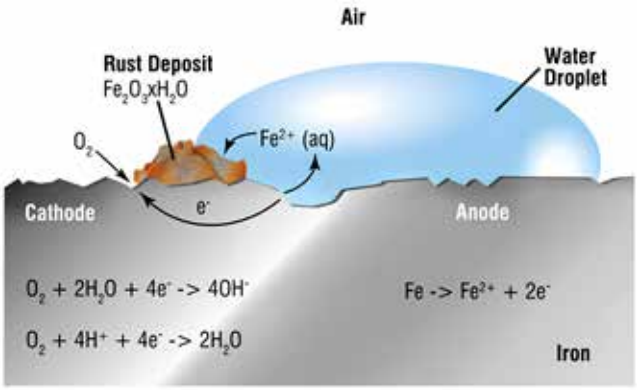
Corrosion Prevention



CORROSION

Corrosion is the deterioration of metals and alloys resulting from chemical and electrochemical reactions with their environment. These reactions begin at the material surface and progress into the material, causing changes or degradation. They impair the functional performance of the metal and cause aesthetic defects. Corrosion is, in fact, the process by which a metal returns to its stable state. Approximately one-third of the metallic materials produced each year become unusable due to corrosion by the end of the year. This also results in losses of capital, labour, energy and knowledge. One of the most effective methods of combating corrosion is the application of coatings. Coatings may be non-metallic (paints or plastics) or metallic (galvanizing, chromium plating or tinning).

A coating applied for corrosion protection protects the metal either by acting sacrificially or by providing a barrier. Corrosion-resistant coatings prevent deterioration by protecting the metal from moisture, salt, oxidation and various industrial and chemical effects. Selecting the most suitable protective system extends the service life of the coated surface.



BPCOAT anti-corrosion product ranges have been developed to provide the best solution through a broad selection of both zinc-free and zinc-containing products.



BPCOAT PRIMERS

Why Choose Our Primers? *Because*

- Product options ideally suited to environmental conditions
- Excellent adhesion to both the topcoat and the substrate
- High corrosion resistance under conditions such as chemical exposure, moisture and sunlight
- Zinc-free primers do not require labelling.



BPCOAT Anticorrosive Series
Corrosion Prevention

1- BPCOAT PP Serisi (Protective Primer)

• Developed to protect against and inhibit corrosion, this series consists of epoxy or epoxy-polyester products containing zinc-free anti-corrosive pigments.
• Provides good performance with appropriate surface pretreatment.
• Can be produced in different colours.
• Special products have been designed for galvanized surfaces.
• Applied as a two-coat system.

To ensure strong adhesion between the topcoat and the primer, cure the primer as follows.

	Full cure	Partial cure
BPCOAT PP Series	**180°C / 10 '**	**180° C / 5 '**
		160° C / 8 '

2- BPCOAT BP Serisi (Barrier Primer)

• Applied after appropriate surface pretreatment, this product series creates a barrier that protects the metal from external factors.
• These barrier-forming epoxy products are specially formulated using high crosslinking technology.
• Zinc-free products with a high level of environmental compatibility.
• Suitable for edges.
• Applied as a two-coat system.

To ensure strong adhesion between the topcoat and the primer, cure the primer as follows.

	Colour	Full cure	Partial cure
BPCOAT BP Series	**Ral 9005**	**180°C / 10 '**	**180° C / 5 '**
	Ral 7032		**160° C / 8 '**

BPCOAT Anticorrosive Series
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3.BPCOAT ZP Serisi (Zinc Rich)

- Zinc-containing epoxy products that provide cathodic protection.
- Available in low-zinc and high-zinc options.
- Available in grey only.

To ensure strong adhesion between the topcoat and the primer, cure the primer as follows.

	Full cure	Partial cure
BPCOAT ZP Series	**180°C / 10 '**	**180° C / 5 '**
		160° C / 8 '







OUTDOOR ENVIRONMENTS

			Sistem	Kaplama
CHEMICAL PRETREATMENT	C2	Fosfatlama ve Pasivasyon	1 Kat	BPCOAT Polyester Serileri (60µ)
	C3	Fosfatlama ve Pasivasyon	2 Kat	BPCOAT PP Serisi ya da BPCOAT BP Serisi (60µ) + BPCOAT Polyester Serileri (60µ)
	C4	Zn-Ni fosfatlama ve Pasivasyon	2 Kat ya da 3 Kat	**2 Kat Sistem** BPCOAT PP Serisi ya da BPCOAT BP Serisi (60µ) + BPCOAT Polyester Serileri (60µ) **3 Kat Sistem** BPCOAT ZP Serisi + BPCOAT BP Serisi (60µ) + BPCOAT Polyester Serileri (60µ)
	C5-I	Special study required; consult BPC.		
	C5-M	Special study required; consult BPC.		

			Sistem	Kaplama
MECHANICAL PRETREATMENT	C2	Kumlama SA≥2,5	1 Kat	BPCOAT ZP Serisi (60µ) + BPCOAT Polyester Serileri (60µ)
	C3	Kumlama SA≥2,5	2 Kat	BPCOAT ZP Serisi (60µ) + BPCOAT Polyester Serileri (60µ)
	C4	Gritr Blasting SA≥2,5	3 Kat	BPCOAT ZP Serisi + BPCOAT BP Serisi (60µ) + BPCOAT Polyester Serileri (60µ)
	C5-I	Special study required; consult BPC.		
	C5-M	Special study required; consult BPC.		

Special study and consult to BPC.

INDOOR ENVIRONMENTS

			Sistem	Kaplama
CHEMICAL PRETREATMENT	C1	Fosfatlama ve Pasivasyon	1 Kat	BPCOAT Polyester Seriler ya da BPCOAT-EP Serileri (60µ)
	C2	Fosfatlama ve Pasivasyon	1 Kat	BPCOAT Polyester Seriler ya da BPCOAT-EP Serileri (60µ)
	C3	Fosfatlama ve Pasivasyon	2 Kat	**2 Kat Sistem** BPCOAT PP Serisi ya da BPCOAT BP Serisi (60µ) + BPCOAT Polyester Serileri ya da BPCOAT EP Serileri (60µ)
	C4	Zn-Ni fosfatlama ve Pasivasyon	3 Kat	**3 Kat Sistem** BPCOAT ZP Serisi + BPCOAT BP Serisi (60µ) + BPCOAT Polyester Serileri ya da BPCOAT EP Serileri (60µ)
	C5-I	Special study required; consult BPC.		
	C5-M	Special study required; consult BPC.		

			Sistem	Kaplama
MECHANICAL PRETREATMENT	C1	Kumlama SA≥2,5	2 Kat	BPCOAT Polyester Seriler ya da BPCOAT-EP Serileri (60µ)
	C2	Kumlama SA≥2,5	2 Kat	BPCOAT Polyester Seriler ya da BPCOAT-EP Serileri (60µ)
	C3	Kumlama SA≥2,5	2 Kat	**2 Kat Sistem** BPCOAT ZP Serisi (60µ) + BPCOAT Polyester Serileri ya da BPCOAT EP Serileri (60µ)
	C4	Gritr Blasting SA≥2,5	3 Kat	**3 Kat Sistem** BPCOAT ZP Serisi + BPCOAT BP Serisi (60µ) + BPCOAT Polyester Serileri ya da BPCOAT EP Serileri (60µ)
	C5-I	Special study required; consult BPC.		
	C5-M	Special study required; consult BPC.		

If the topcoat is a metallic product, application of a clear coat over it is recommended.



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