

Manufacture of Four Coat Paint for Concrete



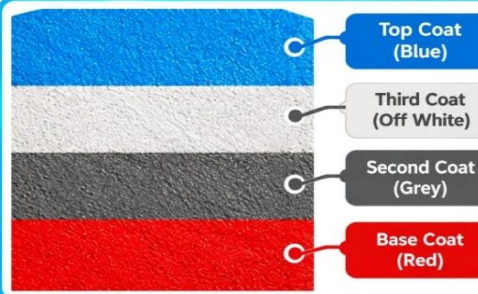
**CSIR - CENTRAL ELECTROCHEMICAL
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KARAIKUDI-630003

CORROSION & MATERIALS PROTECTION DIVISION



FOUR COAT SYSTEM FOR CONCRETE SURFACES

-  This coating is used to protect the concrete structures which have frequent contact with rain and sunlight.
-  This multi coat system can protect structures up to **10 years** in the marine environment.
-  Excellent adhesion and resistance against **corrosion** and **weathering** effects.
-  Prevent **moisture penetration** into the concrete structures.
-  Can be applied for concrete structures in **C5 corrosivity environments**.
-  Can be applied on concrete **bridges, culverts, flyover** etc.
-  **Flaky pigments** in the coating formulation effectively restrict the penetration of corrosive species.



*Durable Concrete...
Stronger Tomorrow*

Test	Test Conditions	Test Standard	Result
Salt Spray	2000 hrs	ASTM B 117	Pass
Scratch Hardness	up to 3 Kg	ASTM B2197-68	Pass
Adhesion	-	ASTM 3359-97 Method A	Pass
Weatherometer	1000 hrs	ASTM 4587	Pass
Immersion Test (5 % NaCl)	1 Year	-	Pass
Immersion Test (5 % NaOH)	1 Year	-	Pass



**Annai Indira Gandhi Road Bridge,
Pamban, Rameshwaram, Tamil Nadu, India**

FOUR COAT SYSTEM

Sealant Polyurethane Coating (30 ± 5 μm)	}	Four Coat System
Epoxy Polyamide Finish Coat (110 ± 10 μm)		
Epoxy MIO Undercoat (110 ± 10 μm)		
Epoxy Polyamide Primer (105 ± 5 μm)		

A Few of Our Esteemed Clients

Used in construction of Thane Bridge in Mumbai and most bridges in Tamil Nadu and Maharashtra

A list of a few companies

- Kataline Infraproducts Pvt. Ltd., Nagpur (Recently May 2026)
- M/s. Krishna Conchem product Pvt. Ltd., Navi-Mumbai
- M/s. Kansai Nerolac paints Ltd., Chennai
- M/s. Advanced Paints, Mumbai
- M/s. Fosroc Chemicals Pvt. Ltd. Bangalore
- M/s. Berger Paints Kolkata; Asian paints, Mumbai
- M/s. Shalimar Paints, Mumbai etc.,

This technology has been given to more than
20 paint industries in our country

*Trusted Technology
for a Corrosion Free
Future*

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