



ANUPAM COLOURS & CHEMICALS INDUSTRIES

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ANCOR ZINC PHOSPHATE ZP-84

ANCOR ZP-84 is an Anti-Corrosive Pigment used to manufacture Anti-Corrosive Primer Paint Systems. It is White in colour.

The anti-corrosive effect is available due the fact that aqueous extract from Zinc Phosphate provides inhibitive chemicals. Oxygen and water are essential conditions for corrosion to take place. When Zinc Phosphate in the primer comes into contact with water, it is extracted and crystallizes out on the surface of metal and forms a fairly dense coating. Thus this aqueous extract is corrosion-resistant.

The microcrystalline phosphate coating effectively retards the corrosion of metal and provides a surface to which paint adheres more strongly than to plain metal. The phosphate coatings retard the spreading of corrosion under the paint film in case the paint is damaged by mechanical action.

This pigment is recommended for Primers used for Ferrous Metals. Micronized grade of this pigment is also available.

TECHNICAL DATA

Colour Index No.	77964
Colour Index Pigment No.	W-32
Oil Absorption	17-21
Specific Gravity	3.2-3.5
Bulk Density g/cc	0.59
BLEEDING IN (1-Poor 5-Excellent)	
Water	5
5% Caustic Soda	5
5% Hydrochloric Acid	Sol.
Linseed Oil	5
Ethanol	5
Ethyl Acetate	5
Xylene	5
n-Butanol	5
Methyl Ethyl Ketone	5
Mineral Turpentine	5
Cellosolve	5
Diocyl Phthalate	5
RESISTANCE TO HEAT	
120°C / 30 min.	SB
150°C / 20 min.	SB
180°C / 10 min.	SB
210°C / 10 min.	SB
APPLICATIONS	
Anti-Corrosive Primers / Marine Paint Systems / Unicoat Paint Systems	*

LEGEND

COLOUR	BLEEDING	HEAT STABILITY	LIGHTFASTNESS	APPLICATIONS	E-EXCELLENT
Y- YELLOW	SCALE (1-5)	SB: STABLE	SCALE (1-8)	*RECOMMENDED/ MAY BE USED	VG-VERY GOOD
R-RED	5: NO BLEED	USB: UNSTABLE	1- POOR		G-GOOD
W -WHITE	1: CONSIDERABLE BILLED		8- EXCELLENT		F - FAIR
					P - POOR