

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 by 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 |
| Diocetyl 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 | |
|---------------|----------------------|-----------------------|----------------------|---------------------|-----------------------|
| Y – YELLOW | SCALE (1-5) | SB : STABLE | SCALE (1-8) | *:RECOMMENDED/ | E – EXCELLENT |
| R – RED | 5:NO BLEED | USB : UNSTABLE | 1 – POOR | MAYBE USED | VG – VERY GOOD |
| W – WHITE | 1:CONSIDERABLE BLEED | | 8 – EXCELLENT | | G – GOOD |
| | | | | | F – FAIR |
| | | | | | P – POOR |