

# UJALA Universal Seabird Primer Paint

## Technical Specification

**UJALA Universal Seabird Primer** is an alkyd-based high level pigment paint . Its an excellent platelet structure and high chemical resistance make it an ideal pigment in many anticorrosion paint formulations. **UJALA Universal Seabird Primer** provide long life corrosion protection for metallic structures in touch with very aggressive environments, such as marine and industrial ones.

### Physical Data :

|  |   |
|--|---|
| Appearance when Dry.....                                       | Low sheen Red   |
| Color.....   | Red   |
| Components.....  | 1   |
| Volume Solids.....   | 55 +/- 2%   |
| VOC.....   | 360 / 400 g/l   |
| Dry film thickness.....  | 45 -80 micron per coat                                |
| Curing mechanism.....  | solvent release and reaction with oxygen from the air |
| Typical minimum maximum  |   |
| Dry film thickness.....  | 65 to 80  |
| Wet film thickness.....  | 100 to 120  |
| (wet film thickness quoted are theoretical for one brush coat) |   |
| Theoretical coverage.....                                      | 8.0 m <sup>2</sup> /l (at typical dft)                |
| Specific gravity.....  | approx 1.3 gm/cc                                      |

### Performances of **UJALA Universal Seabird Primer**

#### Barrier Effect

When **UJALA Universal Seabird Primer** is applied to a surface, the flaky pigment particles orientate themselves in multiple layers roughly parallel to the substrate in such a way that interleaving and overlapping take place. This barrier effect will reduce the diffusion of moisture and pollutants such as NaCl and SO<sub>2</sub> through the medium, thus decreasing the chances of corrosion and blistering.

#### UV shielding effect

**UJALA Universal Seabird Primer** particles are impervious to UV radiation and therefore protect organic binders from early degradation by light and UV rays. This is due to the coherent barrier and to the drastic **UJALA Universal Seabird Primer** absorption in the ultraviolet region. Film reinforcement Paint film reinforcement, which reduces film distortion, is due to the high aspect ratio of **UJALA Universal Seabird Primer** and its preferable orientation parallel to the

substrate. Consequently the film shows high mechanical properties and an improved cracking resistance.

#### Adhesion

On galvanized surface, it has been shown that **UJALA Universal Seabird Primer** enhance the adhesion of paint layers. Even allows one coat system to be efficient principally for high voltage transmission towers. Moreover this pigment helps to obtain better recoatability, especially for epoxy coatings and thus reduces expensive and not very compliant surface treatment.

#### Thermal

Major content of **UJALA Universal Seabird Primer** is Fe<sub>2</sub>O<sub>3</sub> which has a similar coefficient of thermal expansion to the metal substrate and consequently reduces flexing and cracking of the paint applied to the substrate.

#### Low soluble salts content

Soluble salts can form electrolytes in the paint system, and forming galvanic cells leads to film breakdown. **UJALA Universal Seabird Primer** is extracted in deposits, which have a particular low soluble salt content. Moreover its air classification process removes most of the amorphous superfine particles, which lead to high soluble salt levels. SEM analysis of **UJALA Universal Seabird Primer** shows the surface to be clean of superfine particles

#### Food content

Since is free of toxic ingredients, it is extremely useful for nonpoisonous finishes applied to food processing plants such as pharmaceutical factories, sugar refineries, dairy plants, breweries and distilleries etc.

#### Coloration

**UJALA Universal Seabird Primer** is red sheen and is easily mixed with a large range of pigments to obtain interesting dark shades (white, blue green, brown, red, yellow ...)

Manufacturer Nazrul Brothers Paint Industries, Singair Road, Hemayetpur, Savar, Dhaka, Bangladesh  
Corporate Office AHN TOWER, (10th Floor), 13 Bir Uttam CR Datta Road, Banglamotor, Dhaka-1000, Bangladesh  
Tel 9632767-8, Cell 019-22114488, 017-30668800, E-Mail: ujalapaints.bd@gmail.com, www.nazrulgroup.com

| For Approval of Technical Director |       |
|------------------------------------|-------|
| * Approved                         |       |
|                                    |       |
| Mohammad Sharifullah               | Date: |