

## MORSUN SYNTHETIC ALKYD BASED PRIMER (ZC)

**PRODUCT CODE**
**MCS-AL-035**
**PRODUCT DESCRIPTION**

A general purpose primer based on synthetic Alkyd Resin medium with anti-corrosive pigments (viz. Red Oxide, Zinc Chromate & Zinc Phosphate). Recommended for use on above water area of ships like Boot top, topside, decks, superstructures, cargo holds, etc. can be over coated with a wide range of Synthetic Enamel finishes. Suitable primer on mild steel structures to be top coated with alkyd finishes

**TECHNICAL DATA**

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| Colour               | Red / Yellow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Finish               | Matt to Egg-shell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Flash Point          | > 30° C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Volume Solids        | 44% ±2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Recommended DFT      | 40μ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Theoretical Covering | 11 M <sup>2</sup> per ltr. at 40μ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Mode of Application  | Brush / Roller /Airless / Con. Spray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Airless Spray        | Tip Size: 0.018"-0.024"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Fluid Pressure       | 2000-3000 psi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Thinner              | Morsun G. P. Thinner                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Drying Time          | Surface Dry : 1 hour maximum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hard Dry             | Overnight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Overcoating Interval | Overnight, No Maximum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Surface Preparation  | Degrease and blast clean to Sa 2 ½. If blast cleaning is not possible follow Hand Tool Cleaning - manual/mechanical means, e.g. Chipping scarping, wire-brushing, power tool cleaning etc. to remove all rust, scale, loose particles, contaminants, etc. Ensure removal of weld spatters, seams and sharp edges. Dry off and paint                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Shelf Life           | 12 months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Packing              | 20 litres, 4 litres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Precautions          | Ventilate the area to be painted thoroughly to avoid suffocation while application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Touch-up Paint       | Ask for Morsun's QS Finish M-140F of matching shade. Touch-up paint should be applied by brush after 48 hours or fully cured paint. (Note: All Technical Parameters are checked at 30 degree Celsius unless specified otherwise) Performance Test Data MORSUN SYNTHETIC ALKYD BASED PRIMER – AL-035 Test Type Test Method Requirement Details Typical Results Neutral Salt Spray IS-101 Film of 1 x 25 μ DFT applied on MS panel/ dried for 48 Hrs. Subjected to test. Should Pass 96 Hrs test No Film defects with no sign of corrosion on underneath surface Scratch Hardness IS-101 Film of 1 x 25 μ DFT applied on 0.315mm thick tinned MS panel / dried for 48 Hrs. Subjected to test. Should Pass 1000 gm test No such scratch as to show the bare metal Adhesion Flexibility IS-101 Film of 1 x 25 μ DFT applied on 0.315mm thick tinned MS panel / dried for 48 Hrs. Subjected to test. Should Pass ¼ Inch cylindrical mandrel test Passes with no cracking or detachment of film from substrate. Protection against corrosion under conditions of condensation IS-101 Film of 1 x 25 μ DFT applied on MS panel/dried for 48 Hrs. Subjected to test. Should Pass 7 days test No Film defects with no sign of corrosion on underneath surface |

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