

# OptiPrime Alkyd

Optima Coatings OptiPrime Alkyd is a single-component, alkyd zinc phosphate primer for steel surfaces above water service level. OptiPrime Alkyd is fast drying, easy to apply by brush, roller or spray and exhibits excellent anticorrosive properties when utilized in an inland environment.

**Colours:** Grey and Red.

### PRODUCT USES

- Optima Coatings OptiPrime Alkyd is designed for use in industrial, light marine or architectural environments.
- Suitable for overcoating hand prepared substrates, and overcoatable with a wide range of topcoats.

### ADVANTAGES

- Ready to use and easy to apply.
- Fast drying.
- Excellent adhesion when applied to properly prepared metal surfaces.
- Exhibits excellent anticorrosive properties when utilized in an inland environment.
- Resistant to oils, grease, mild acids and alkalis, chemical fumes, and salt air when top coated.

### COVERAGE

7.3 m<sup>2</sup> per litre per coat, resulting in a dry film thickness of 75 microns.

### SURFACE PREPARATION

- Steel-blast in accordance with Swedish Standard Sa 2½ SIS 050 5900 – 1967, ISO 8501-1, the surface profile should not exceed 100 microns.
- Remove abrasive residues and dust from the surface.
- Minimum surface preparation is hand tool clean in accordance with ISO 8501 ST 2.
- Apply Optima Coatings OptiPrime Alkyd as soon as possible after surface preparation to prevent any contamination from resettling. Do not leave the blasted steel surface uncoated overnight.

**APPLICATION**

- Apply by brush, roller or spray.
  - Roller type: Short mohair roller as for enamel paints
  - Spray: Conventional spray or Airless
- Thinning: Optima Coatings Xylene for thinning - not more than 20%
- Drying Time:
 

Temperature	Touch Dry	Hard Dry	Over coating time
10° C	1 hour	8-10 hours	8-10 hours
20° C	30 Minutes	4-5 hours	4-5 hours
30° C	15 Minutes	2 hours	2 hours
- Mixing ratio: Single Component  
Mix well.  
No induction period is required.
- Substrate Temperature: Min: 5° C  
Max: 50° C
- Ambient Temperature: Min: 13° C  
Max: 43° C
- Relative Humidity: Min: 30%  
Max: 85%
- Do not apply when the surface temperature is less than 2° C above the dew point.

**CLEANING**

- Use Optima Coatings MEK thinner for cleaning.

**SAFETY PRECAUTIONS**

- Use in a well-ventilated area with fresh-air respirators or fresh-air hoods.
- Ensure build-up of fumes does not occur.
- When used in a closed area e.g internal lining of tanks, air circulation must be arranged. Fumes are flammable (flash point <27° C) and all spark sources must be removed or isolated.
- Hypersensitive people should wear protective clothing, gloves and/or barrier cream of face, hands and all exposed areas.
- If internally ingested, seek immediate medical attention.

**TECHNICAL DATA**

Pack size	5 & 20 litre
No components	1
Colours	Grey & Red
Volume Solids	55%
Recommended DFT	Min: 50 micrometers Max: 125 micrometers Typical: 75 micrometers
Recommended WFT	Min: 100 micrometers Max: 250 micrometers Typical: 150 micrometers
Spreading rate: (Theoretical)	7.3m <sup>2</sup> /l at 75 microns D.F.T. at stated volume solids
Storage	Store indoors away from direct sun at temperatures not exceeding 40° C.

Technical details above are provided in good faith. We are an ISO 9001: 2008 registered company and our products are manufactured to the highest standards using raw materials of superior quality. Consequently we believe in the quality of our products and will willingly replace any product in the unlikely event of a quality related performance failure. Whilst we are confident in guaranteeing the quality of our products, we cannot however accept any liability for performance failure due to the incorrect application of our products. Correct application is critical to the successful performance of our products and as this process falls outside of our control we are unable to cover the application under our product performance warranty. Where there are doubts, it is recommended that the user conduct their own suitability tests before use. To retain sheen and colour consistency of your paint, always make sure that the batch numbers are the same on all paint containers that you purchase.

Updated: September 2014 (this supercedes all previous publications)