

## Colorama MP1005

# MARINE PRIMER

A high quality alkyd based marine primer, with excellent surface adhesion on steel, containing high quality zinc phosphate and red iron oxide anticorrosive pigments

### Properties and Areas of Use

- Tough hard wearing film.
- Low odor and excellent application properties.
- Excellent corrosion resistance.
- Excellent flow and opacity.
- Used as a primer on steel in an anticorrosion alkyd system.
- Used also as an anticorrosive primer on galvanized steel and aluminum over a suitable washing primer.

### Technical Coating Data @ 25 °C

<b>Finish</b>	Flat
<b>Color Range</b>	Grey or Red
<b>Solids Volume</b>	55 ± 2%
<b>Dry Film Thickness Range</b>	25-100 µm
<b>Theoretical Spreading Rate</b>	11 m <sup>2</sup> / L @ 50 microns DFT (loss factors will apply in practice)
<b>Surface Dry</b>	2 h
<b>Recoat Interval</b>	16 hours minimum maximum, several months (after proper surface cleaning and preparation)
<b>Flash Point</b>	38°C
<b>Shelf Life</b>	12 months (stored in a cool dry place)
<b>VOC</b>	290 g/L
<b>Mixing Ratio</b>	Single Pack

### Film Thickness and Spreading Rate :

	Minimum	Maximum	Typical
Film thickness, dry (µm)	25	100	50
Film Thickness, wet(µm)	45	182	91
Theoretical Spreading Rate (m <sup>2</sup> /L)	22	5.5	11

### Suitable Surfaces :

- Steel and non-ferrous metals properly blast cleaned to SIS-Sa 2<sup>1</sup>/<sub>2</sub> minimum
- Substrates must be free of contamination, dust, and efflorescence
- Previously gloss painted surfaces should be thoroughly abraded or sand blasted before application.

### Bare Steel :

Cleanliness: Blast – cleaning to Sa2 1/2 (ISO-8501-1:2007). Power tool cleaning to min. St2 (ISO 8501-1:2007) may be acceptable, subject to exposure conditions.

### Shop primed Steel :

Clean, dry and undamaged approved shop primer.

### Coated Surfaces :

Clean, dry and undamaged compatible primer. For aluminum substrates, thorough washing and sweeping with a nonmetallic blast medium is required.

### Application Conditions :

Substrate temperature should be 10°C or above for application and during cure, and a minimum of 3°C above the dew point. Adequate dry air ventilation is recommended for optimum drying.

### Application Information :

Thinning should only take place after the material has been thoroughly mixed.

### Brush and Roller :

Thin if required with 0-5% COLORAMA Thinner 906 or 921.

### Conventional Air Spraying :

- Thin with 5-15% COLORAMA Thinner 906 or 921, as required
- Tip size - 2.0 mm
- Tip pressure - 60 psi (0. 4Mpa) approximately

### Airless Spraying :

- Thin with 0-10% COLORAMA Thinner 906 or 921, as required.
- Tip size - 13 thou (0.33mm) approximately
- Tip pressure - 1700 psi (12Mpa) approximately

### Cleaning Thinner :

Equipment should be cleaned immediately after use with COLORAMA Thinner 906 or 921.

### Drying time :

Drying times are affected by air ventilation, temperature, film thickness and number of coats.

Substrate Temp.	10° C	25° C	40° C
Surface Dry	3 h	2 h	1 h
Through Dry	16 h	6 h	3 h
Dry to recoat, minimum	24 h	16 h	10 h

The given data serve as guideline only. The actual drying time differs according to film thickness, ventilation, humidity and underlying paint system.

### Typical paint system :

- Marine Primer 2 x 50  $\mu$ .
- Marine Enamel 2 x 50  $\mu$ .

### Storage :

Keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

### Handling :

Handle with care. Stir well before use.

### Packing Size :

5 L & 18 L

### Summary Safety Information :

- Avoid inhalation of spray mist and skin contact by the use of masks, gloves and other personal protection. Eyes should be cautiously washed with water or proprietary wash, and medical attention obtained. Skin should be thoroughly washed using a cleanser and soap and water.
- Product is flammable
- No sparks or flames
- No smoking

The information given in this data sheet represents test results & practical experience obtained under controlled conditions, and are correct to the best of our knowledge. However, as products are often used under different conditions, we can only guarantee the quality of our product, and reserve the right to change data without further notice.