

TEMAZINC 99UK

DESCRIPTION

A two component, high build, epoxy zinc rich primer.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Conforms to ISO 12944 zinc requirements.
- ◆ Excellent resistance to undercutting from damaged areas.
- ◆ Excellent as a works primer for protection during fabrication, transit and erection.
- ◆ Can be overcoated with epoxy, epoxy pitch, chlorinated rubber, vinyl, or polyurethane coatings.
- ◆ Excellent weathering properties.
- ◆ If a zinc prefabrication primer is required use ProtegaBlast ZR992.
- ◆ EPA compliant as a blast primer.
- ◆ Can protect in a single coat where cosmetic appearance is not of paramount importance.

TECHNICAL DATA

Volume solids 55 ± 2% (ISO 3233)

Specific gravity 2.4 kg / l (mixed)

Mixing ratio and product codes

| | | |
|----------|-------------------|----------|
| Paint | 3 parts by volume | 008 7406 |
| Hardener | 1 part by volume | 008 7440 |

Pot life 8 hours (23 °C / 74 °F)

Recommended film thicknesses and theoretical coverage

| Recommended film thicknesses | | Theoretical coverage |
|------------------------------|--------|------------------------|
| dry | wet | |
| 50 µm | 90 µm | 11.0 m ² /l |
| 90 µm | 163 µm | 6.11 m ² /l |

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Drying time

| DFT 75 µm | + 10 °C | + 23 °C | + 35 °C |
|-----------------------|-----------|-----------|-----------|
| Dust dry, after | 50 min | 30 min | 15 min |
| Touch dry, after | 2 h | 1 h | 30min. |
| Recoatible, min - max | 6 h - 7 d | 4 h - 7 d | 2 h - 3 d |

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Finish Matt.

Colours Blue-grey.

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APPLICATION DETAILS

Surface preparation **Steel** – degrease where necessary to SSPC-SP1 solvent cleaning to remove weld flux and general contamination prior to blasting.
All sharp edges should be ground and weld spatter removed.
Blast clean to Swedish Standard SS 05 5900 Sa 2½ or British Standard 7079 equivalent.

Maximum profile 75 microns.

Oil, grease, salts and dirt should be removed by appropriate means (ISO 12944-4).

Finish May be overcoated with a range of topcoats, including: TEMACOAT GPL-S PRIMER, TEMACOAT GF PRIMER, TEMACOAT HB PRIMER, TEMACOAT GPL-S MIO, TEMACOAT RM 40, TEMACOAT SPA, TEMABOND, TEMACHLOR 40, TEMACRYL AR50 and TEMATAR TFA. Please consult Tikkurila Coatings for further advice.

Application conditions Only apply in conditions of good ventilation which should be maintained during drying. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time of the paint coating, the surface should be dry, the Relative Humidity should not exceed 85 % and the steel temperature should remain at least 3°C above the dew point.

Mixing components Mix only in the proportions stated, mixing each component individually then together using a mechanical agitator.

Application

| Method | Airless Spray | Automatic Spray | Conventional Spray | Brush | Roller |
|-----------------------|--------------------|-----------------|--|---|--------|
| Output Fluid Pressure | 2200 – 2500 p.s.i. | No | Any suitable equipment with agitated pot | Small areas only as film build will not be achieved | No |
| Tip Size | 15 – 21 thou | | | | |

Agitate during application.

A typical problem encountered with zinc based paints is the scouring of the metallic zinc in the lines, which may remove stubborn paint residues from the system causing blockages at the tip.

Zinc salts must be removed prior to overcoating by sweeping or fresh water washing and scrubbing with stiff brushes and allowing to dry.

Avoid exceeding the maximum dry film thickness.

Thinner Thinner 1031.

Cleaning of equipment Remove remaining paint from equipment, flush thoroughly with 1031 or 950 Thinner until solvent appears uncontaminated.

VOC The Volatile Organic Compounds amount to 450 ± 20 g/litre of paint.

HEALTH AND SAFETY Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets.
A health and safety data sheet is available on request from Tikkurila Coatings Oy.
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