

TEMAZINC 99

DESCRIPTION

A two component, polyamide cured zinc rich epoxy paint.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Offers cathodic protection for steel.
- ◆ Used as a primer in epoxy, polyurethane, acrylic and chlorinated rubber systems for steel surfaces exposed to severe climatic conditions.
- ◆ Can be used without a topcoat on surfaces exposed to weathering.
- ◆ Recommended for bridges, cranes and steel frameworks as well as steelwork and equipment in the forest and chemical industries, such as tubular bridges, conveyors etc.

TECHNICAL DATA

Volume solids 55 ± 2 % (ISO 3233)

Specific gravity 2.6 kg / l (mixed)

Mixing ratio and product codes

| | | |
|----------|-------------------|----------|
| Base | 3 parts by volume | 008 7400 |
| Hardener | 1 part by volume | 008 7440 |

Pot life 30 hours (23 °C)

Recommended film thicknesses and theoretical coverage

| Recommended film thicknesses | | Theoretical coverage |
|------------------------------|--------|------------------------|
| dry | wet | |
| 40 µm | 70 µm | 13,8 m ² /l |
| 80 µm | 145 µm | 6.9 m ² /l |

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

Drying times

| DFT 40 µm | + 10 °C | + 23 °C | + 35 °C |
|------------------------|---------|---------|---------|
| Dust dry, after | 20 min | 10 min | 5 min |
| Touch dry, after | 1 h | 30 min | 15 min |
| Recoatable, min. after | 3 h | 1 h | 30 min |

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

Finish Matt.

Colours Grey.

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APPLICATION DETAILS

| | |
|-------------------------------|--|
| Surface preparation | Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4) <u>Steel surfaces:</u> Blast clean to grade Sa2½. (ISO 8501-1) |
| Finish | TEMACOAT GPL-S PRIMER, TEMACOAT GF PRIMER, TEMACOAT HB PRIMER, TEMACOAT GPL-S MIO, TEMACOAT GS 50, TEMACOAT RM 40, TEMACOAT HB 30, TEMACOAT SPA, TEMABOND, TEMACHLOR 40, TEMACRYL AR 50 and TEMANYL MS PRIMER. |
| Application conditions | All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below +10 °C during application and drying. Relative humidity should not exceed 80 %. The surface temperature of the steel should remain at least 3 °C above the dew point. |
| Mixing components | First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use Temaspeed Squirrel Mixer for mixing. |
| Application | By airless spray or brush. Agitate during application. Depending on the application method the paint can be thinned 0 - 10 % by volume. Airless spray nozzle tip 0.015" - 0.021" and nozzle pressure 120 - 180 bar. Spray angle shall be chosen according to the shape of the object. Sharp edges, corners, weld seams and other areas difficult to cover properly by spray application should be coated by brush before the spray application. At brush application the paint should be thinned according to the circumstances. |
| Thinner | Thinner 1031. |
| Cleaning of equipment | Thinner 1031. |
| VOC | The Volatile Organic Compounds amount is 430 g/litre of paint. VOC content of the paint mixture (thinned 10 % by volume) is 473 g/l. |
| 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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