

DESCRIPTION

BAYCOR ZP® is a Two Component High performance, Epoxy Based Primer Sealer, Containing high solid Zinc Phosphate, applicable in various climate conditions

USES

BAYCOR ZP® is suitable for fixing over but not limited to:

- ☐ Steel surfaces exposed to atmospheric conditions
- ☐ Bridges & offshore structure
- ☐ Marine decks

ADVANTAGES

- ☐ Excellent Adhesion
- ☐ Applicable in hot and tropical climates
- ☐ Hard but not brittle
- ☐ Excellent chemical resistance
- ☐ Low VOC

COMPLIANCE

Complies with ISO 12944-5 for Mechanical resistance

MATERIAL DATA

Type	Epoxy Based
Form	Matt finish (light grey) or Clear gloss Finish
Packing	1 USG & 5 USG Mixed kit
Application	Brush, Roll, Trowel or Airless Spray Machine
Storage	36 month in unopened packaging, between 5°C and 35°C

TECHNICAL DATA

Property	Value
Density	1.5-1.6 kg/L (pigmented) 1.0-1.05kg/L (clear)
Volume Solid	80% by weight
Initial Hardness	17 hours @ 35°C
Pot Life	40 min @ 35°C
Tack Free time	2-6 hours @ 35°C
Chemical resistance	When built up system is applied: ▪ Water ▪ Sewage water ▪ Acid ▪ Oils and grease ▪ Short term solvents
Surface temperature	+5°C / 35°C
Relative air humidity	Max 85°C with respect to surface temperature
Over coating	After 6 hours or after achieving tack free And before 48 hours from date of application

Remarks

Empty cans should be disposed as per the rules and regulations of the country where the material is used. And in **NO case should empty cans be used for food stuffing.**



APPLICATION DETAILS

Surface Preparation

Blast cleaning the steel structure to remove all traces of rust, dirt, oil and grease.

Application Procedure

MIXING

Open can "A" and mix thoroughly to achieve a homogeneous and unified color. Once the first step is completed add component "B" which is the hardener and mix also at a low speed (upwards and downwards) for 2-3 minutes to achieve also a homogeneous finish.

Application Method

Depending on the color shade of the Steel structure, a side trial application should be conducted in order to estimate the exact quantity to be used at the exact dry film thickness needed, following the approved variation of thickness required in One to Two coats of application.

METHOD OF MIXING:

1. Pour Part B into Part A
2. For large volume mixing use a low speed drill and mix it for 1 min
3. Thinner: Max 5% using **thinner ZP**

THEORETICAL SPREADING RATE

10m² / ltr @ 100 microns Wet Film Thickness
Min / Max: 100 – 200 microns WFT

TOPCOATS

Depending on the substrate and area of application, **BAYCOR ZP** can be over coated with the following top coats:

- For steel Structure: Epoxy based **BAYCOAT 125**
- For concrete structure: **BAYCOAT 500**
- For Exposed Steel and concrete structure: Polyurethane based **CONCOAT PU 70**

CURING

2-6 hrs Touch Dry
1-2 days full dry depending on weather conditions
5 days Full cure

SAFETY

Protection Measures

BAYCOR ZP® is epoxy based and there is risk of cauterization in the event of contact with the eyes; will lead to dehydration and thereof irritation in case of contact with skin. So while mixing and applying the product, protect with safety goggles and protective gloves

- ☐ Splashes to skin must be washed off with water and Soap
- ☐ Splashes to the eyes must be rinsed with clean warm water. Seeking medical attention is highly recommended and mandatory

ZINC PHOSPHATE PRIMER

Important Notice:

The above data is based on our experience and extensive laboratory tests. It may be considered to be a general advice only and cannot be granted to meet the requirements for all the intended uses. It is the responsibility of the end user to ensure that the product is suitable for the purpose for which he wishes to use it. In view of many varying factors that are encountered during the application of the product it does not exclude the end users from not conducting their own test before actually using the product. We are thus only responsible for the quality of the product itself and not responsible for its performance, nor would we accept any liability whatsoever or howsoever arising from the use of this product. Any such matters should be specifically agreed to in writing by us. Bayshield reserves the right to modify the contents of the data sheet from time to time without notice as a system requirement in updating our products from time to time.