

ZP Primer

Product Description

52% solids zinc phosphate primer

ZP Primer is a 52% solids, two-pack zinc phosphate primer. It is designed for use on metal however can be used on most surfaces. It has excellent adhesion, is non-toxic and non-taint, and is extremely easy-to-apply.

ZP Primer is excellent for use on steel and ferrous metals and can be overcoated with any of the Polycote Flortex top coat range. It is also highly corrosion resistant.

Typical Uses

Due to its outstanding surface wetting properties, *ZP Primer* is excellent for use on metal. Being non-toxic and non-taint, *ZP Primer* is ideal for use in medical, animal, food-processing and working environments. Typical applications include, boats, warehouses, factories, workshops, laboratories and chemical bunds.

Suitable substrates: Steel and ferrous metal surfaces, GRP, aluminium and suitably prepared wood.

Colour: *ZP Primer* is grey in colour.

Packaging: *ZP Primer* is supplied in pre-measured quantities as a two part 5L unit, comprising of Part 'A' and hardener Part 'B'.

Direction For Use

Surface Preparation

Recommended methods are:

Loose paint or rust - remove, using a suitable mechanical abrasion method. All loose/flaky paint and rust must be removed before coating.

Oil or grease - chemically clean with Polycote *Degrease IT* then rinse thoroughly and allow to dry. See relevant Data Sheet prior to application.

Existing Paint - this should be fine, as long as the area is clean and dry, however we advise that a test patch is carried out prior to fully overcoating.

Once prepared, the area must be kept clean and free of traffic.

Mixing

Having fully prepared the substrate, stir the individual components before mixing together.

Add part 'B' to part 'A' and thoroughly mix for at least 3 minutes. For best results use a slow speed drill with a mixing paddle.

Ensure thorough mixing as an unmixed product will result in a poor or non-cure situation.

Application

Apply by brush, roller, airless spray (nozzle size .021"- .027", nozzle pressure: 1800-2300 psi), or squeegee, making sure that the surface is completely covered. Particular attention should be given to doorways, edges, corners, bolt welds etc and other areas of high traffic.

When finished, do not scrape the remaining contents from the container as this will invariably include unmixed raw resin.

Application Temperature

Normal application temperature is between 10°C and 30°C. Surface temperature must be above 5°C. Do not apply when relative humidity levels above 90%.

Pot Life

ZP Primer has a pot life of approximately 4 hours at 20°C.

Curing Time @ 20°C

ZP Primer has an initial cure time of approximately 1.5 - 2 hours. Will accept light traffic after 16 hours.

To ensure a good intercoat chemical bond, overcoat within 2-4 hours.

Full strength is achieved after 3-5 days.

Coverage

The coverage of *ZP Primer* is approximately 20-25m² per 5kg at 200 microns thickness, depending on the texture and porosity of the surface.

VOC: <500g / litre.

Typical S.G. (Specific Gravity): 1.55 @ 20°C

Technical Data^(cont)

Wet Film Thickness W.F.T: 85 to 190 microns.
Dry Film Thickness D.F.T: 44 to 100 microns.
Flash Point: 25°C (closed cup)

Cleaning

Tools and equipment should be cleaned whilst resin is still wet with Solvent Cleaner. Hands and skin should be cleaned immediately with Organic Hand Cleaner.

Shelf Life & Storage

Shelf life in unopened containers is approximately 12 months subject to conditions of storage. Store in a cool, dry, frost-free environment away from sources of ignition, between 5-25°C.

Health & Safety

Before using this product, please ensure you have received and read carefully both the Hazard Label applied to the container and the relevant Material Safety Data Sheets.

Any Questions

Please do not hesitate to contact us for advice regarding the use of this product or its suitability for your particular application.

Our aim is to provide all the technical help you need to make an informed choice and achieve total success.

Polycote Technical Helpline: **01234 846400**

All reasonable care has been taken in supplying the above information. However, any figures quoted do not constitute a specification but represent typical values obtained. It is the customer's responsibility to ensure the product is fit for the intended purpose and that conditions are suitable. Any technical advice is offered in good faith, but without warranty. This is also applicable when proprietary rights and third parties are involved. In the light of the Company's policy of continual research and development, it is the customer's responsibility to ensure that the information contained herein has not been superseded.