



PROTECTIVE
POLYMERS

PROTECT ALYKD ZINC PHOSPHATE PRIMER

Product Description

Fast Air-Drying Alkyd Zinc Phosphate Primer with excellent protection and mechanical properties. Exhibits Hardness Suitable for a standalone finish where required and resistance to a wide variety of general industrial fluids including Oils and Lubricants. Suitable for Brush, Roller or Spray Application. Ideal for Agricultural Equipment; Machinery; Racking Systems; Skips; General Metal fabrications

Product Features

Designed for airless spray application
Excellent build properties and hold-up on edges
Contains zinc phosphate anticorrosive pigment
For use on modular buildings, containers, industrial machinery, metal fabrications, and a wide range of engineering items. Good resistance to most hot and cold lubricating and cutting oils when fully cured. Tests for suitability with any particular oil should be made before large scale application.

Technical Data

Volume Solids 50 +-2% %	Finish Matt	Hard Dry for Packing: 16 Hours	Number of Coats 1 or 2
Colour Grey, Buff, Red Oxide	Touch-dry 1-2 Hours	Packaging 5 & 20 Ltr steel pails	VOC 390 g/ltr
SG Approx. 1.25 – 1.35 kg/l colour specific	Handleable: 3-6 hours	Viscosity 40 – 56P @ 20oC	

Recommended Dry Film Thickness

	DFT per coat	WFT per coat	Theoretical Spreading rate m2/L
Range	80 µm -120 µm	160 µm - 240µm	6.25 - 4.1
Recommended	100 µm	200 µm	5

Drying times

Substrate Temperature	Touch Dry	Hard Dry	Dry to recoat Minimum	Dry to recoat Maximum	Full Cure
10°c	4-6 Hours	24 Hours	6-7 Hours	Indefinite*	7 Days
20°C	1-2 Hours	16 Hours	2-3Hours	Indefinite *	5 Days
30°c	1-1.5 Hour	8Hours	1 Hour	Indefinite *	3 Days

*if sound and clean

Protective Polymers Ltd. Lydford Road Meadow Lane Industrial Est. Alfreton. DE55 7RQ
www.protectivepolymers.com email: sales@protectivepolymers.com Tel +44(0)1623 441106



PROTECTIVE
POLYMERS

PROTECT ALYKD ZINC PHOSPHATE PRIMER

Surface Preparation

All surfaces to be coated should be dry and cleaned as necessary to remove all oil, grease, salts, weld flux or other contamination. Where necessary, remove weld spatter and grind smooth all sharp edges and weld seams. Ideally blast clean to Sa2½ (ISO 8501-1:2007), surface profile 50-75 microns. Where blast cleaning is not practicable, degrease overall and prepare any rusted areas to St2 minimum (ISO 8501-1:2007) without 'polishing' the steel.

Application

Only apply in conditions of good ventilation which must be maintained during drying and curing.

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. Paint temperature should ideally be at a minimum of 15°C.

Application Conditions

The surface temperature must be a minimum of 3°C above the dew point. Do not apply to substrates at temperatures below 5°C.

Application Equipment



Brush and roller

Thin up to 5% maximum if required. Only use Protect Standard Thinners. Other thinners may not be suitable.



Airless Spray: Output fluid pressure at tip 2000-2400 psi, Tip Size 13-17 thou (0.33-0.43 mm), thinning up to 10% may be required.

Clean-up

Clean up immediately after use with Protect Standard Thinners. Discard clean-up material according to local environmental regulations.

Precautions

This product is for use only by professional Applicators in accordance with information in this Technical Data Sheet and the Safety Data Sheet (SDS). Refer to this product's SDS before using this material.

Material Storage

Store all coating materials in a dry place as close to room temperature as possible. Ideal storage temperature should be between 10°C to 27°C. Keep cans sealed and out of direct sun light.

This information is given in good faith for the guidance of users but without warranty or liability. Any queries should be referred to our Technical Department. The above information, based on laboratory tests and practical experience has been proved valid at the date marked on the product data sheet. When necessary verify the validity of the product data sheet. The quality of the product is ensured by our operational system, based on the requirements of the standards ISO 9001. As a manufacturer, we cannot be responsible for any damages caused by using the product against our instructions or for inappropriate purposes. This product is for professional use only.

Protective Polymers Ltd. Lydford Road Meadow Lane Industrial Est. Alfreton. DE55 7RQ
www.protectivepolymers.com email: sales@protectivepolymers.com Tel +44(0)1623 441106