

UNI-GUARD ZP PRIMER

DESCRIPTION / USE:

Uni-Guard ZP Primer is a waterborne **Zinc Phosphate** inhibitive primer. Features include superior water barrier properties, extremely low water vapour permeability and zinc phosphate result to excellent corrosion resistance. Uni-Guard ZP Primer exhibits good general adhesion to a wide range of substrates, with excellent durability and toughness.

AREAS OF USE:

General purpose zinc phosphate primer for most structural steel fabrication, transport equipment and maintenance. Can be used in conjunction with Uni-Guard Topcoat for optimum performance.

SPECIAL FEATURES:

- Excellent corrosion resistance
- Excellent adhesion even to poorly prepared surfaces
- Extremely low water vapour permeability
- Non-flammable and solvent-free
- Clean up with water (no solvent required)
- Low VOC and low odour
- No heavy metal lead or chromate anti-corrosion pigments

MIXING & THINNING:

Ready for use, in most cases do not thin.

Prior to use, agitate to homogenous and uniform consistency. Use low speed mixer. Always avoid air entrapment during mixing.

If required, thin with up to 5% water.

METHOD OF APPLICATION:

Brush, roller, conventional and airless spray.

Do not apply if air temperature is below 10°C or above 35°C. Do not apply if the substrate temperature is 10°C or less.

Do not apply if rain is expected or in extremely high humidity, greater than 85% R.H., **unless in controlled environment**.

- Only apply the Uni-Guard Topcoat once the Uni-Guard ZP Primer is dry to handle.
- Always ensure the Uni-Guard ZP Primer is top-coated with a Uni-Guard Topcoat.

Boja Specialised Coatings recommends applying an initial light dust coat at 40µm, which is allowed to flash off then apply further coats to achieve the recommended film build of 80µm. Avoid sagging by using this technique and do not exceed recommended WFT.

CURE PROFILE:

Touch Dry: 2 hours @25°C 50% RH

Recoat: 2 hours @ 25°C

Full cure: 7 days @ 25°C

Always ensure Uni-Guard ZP is over coated within 1-2 days using an exterior grade UV resistant topcoat. If topcoat exceeds re-coat period, mechanically abrade. Ensure removal of contaminant grease, oil and lubricants in accordance with AS1627.1 prior to applying topcoat.

COVERAGE:

10m² / Lt based on a single coat application. 80µm per coat. DFT

SHELF LIFE:

12 months from date of manufacture.

Protect from cold temperature and freezing during storage. Always check product is smooth and consistent, free of grit and lumps before use.

CLEAN / WASH UP:

Water and methylated spirits rinse.

SURFACE PREPARATION:

Steel - Remove all loose paint, mill scale and rust materials. Round off any sharp edges. Ensure substrate is dry and clean. Remove all contaminant grease, oil and lubricants in accordance with AS1627.1. Optimum performance is achieved by abrasive blast cleaning to a minimum of AS1627.4 Class 2.5.

Other Substrates - Contact a Boja representative.

HEALTH & SAFETY:

- Refer to MSDS prior to use
- PPE
- Ensure good ventilation if using indoors
- When spraying wear suitable vapour cartridge respirator
- Store in a cool place

FIRST AID:

Eye Contact – rinse with cold running water for 10 to 15 minutes. Seek medical attention if irritation persists.

If Swallowed – drink large amounts of water and seek medical attention.

ENVIRONMENT:

Do not tip unused paint or waste products down drains.

Dispose of waste using authorised collection procedures.

DISPOSAL:

During clean up after use, ensure that any chemicals do not flow to gutters or drains as it may contaminate waterways. Do not reuse empty can. Container can be recycled. Check with your local authorities or waste management office for more information related to the disposal of this container.

PHYSICAL TEST PROPERTIES:

PROPERTY	UNI-GUARD ZP PRIMER
Volume Solids	42% Resin
Mixing Ratio	Ready For Use
Density kg / Lt	1.1
Density	1.29
Touch Dry	2 hours @ 25°C
Re-coat	2 hours @ 25°C
Dry Time Full Cure	7 days @ 25°C
DFT	80µm per coat
Coverage	10m ² / Lt @ 80 µm

IMPORTANT:

- Uni-Guard ZP Primer is not UV stable nor is it suitable as a trafficable coating without a suitable topcoat.
- Ensure Uni-Guard ZP Primer is over coated within the recommended re-coat time.

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