



## DESCRIPTION

Chemguard AK1225ZP is a relatively quick drying zinc phosphate; anticorrosive primer based on oil alkyd resin that protective structural steel work in different environments. It is corrosion inhibiting, quick and easy to apply, along with being tough and durable. It is Lead and Chromate Free.

## RECOMMENDED USE

For use over prepared steel in industrial environments.

- Interior / exterior
- Primer / finish
- New construction
- Repaints
- Railings
- Storage tanks
- Machinery
- Bar joists
- Structural steel
- Piping
- Steel doors
- Fire escapes
- Steel decking

Not recommended for immersion services, exposure to acids, alkalis or strong solvents. Not exposed to severe chemical attack.

## SURFACE PREPARATION

Surfaces must be clean and sound. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion.

Remove any oil or grease from surface to be coated with clean rags soaked in UNICHEM White Spirit or UNICHEM / Thinner #10. Allow surface to dry before application.

For maximum performance, abrasive blast to a commercial finish in accordance with SSPC-SP6 to obtain a profile of 25μ.

Aluminum surfaces should be washed with white spirit and either carefully roughened with abrasive paper or better be treated with etching primer, such as Chemguard Vinyl wash primer.

Hand tool cleaning in accordance with SSPC-SP2 is acceptable.

## MIXING

Power mix to achieve homogeneous appearance. Avoid excessive air entrapment.

## THINNING

Thin with no more than 1/2 liter of thinner #10 per gallon for brush or roller application and no more than 1 liter for spray. Stir well before use.

## APPLICATION

Apply by brush, roller or spray. Natural bristle brushes are preferred. Short- nap synthetic roller cover with phenolic core gives the best results for wide areas.

Consult Unichem Technical Support Department for spray equipment instructions.

## TECHNICAL INFORMATION

Color	Variable
Finish	Matt
Dry Film Thickness	30 -50 μ
Solids by volume	50% ±2
Non-volatile-matter ISO 3251:2003	75-85 %
Curing During Film ASTM D5895/2003	15 - 30 min at 25°C
To Top Coat ASTM D5895/2003	1 - 2 hour at 25°C
Full cure	7 days at 25°C and 50% RH
Flexibility ISO	Pass

## APPLICATION CONDITIONS

Min. Temperature	2°C
Max. Temperature	45°C
Relative Humidity	90%

**THEORETICAL COVERAGE**

The coverage rate is around 15m<sup>2</sup>/L at 40μ thickness.

**SHELF LIFE**

12 months when stored properly in unopened container in dry conditions at 10 - 25°C.

**CLEANUP**

Tools and equipment can be cleaned with white spirit. Dried Chemguard AK1225ZP should be removed mechanically.

**PACKAGING**

Chemguard AK1225ZP is available in 3.6 & 18 Liter Kit.

**PRECAUTIONS**

KEEP OUT OF REACH OF CHILDREN. Use with adequate ventilation and use a respirator when levels are above applicable limits.

Avoid contact with skin and eyes. Close container after each use. Use good hygiene when handling this product.

**TECHNICAL SUPPORT**

Technical assistance is available from the manufacturers trained field representatives.

**UPDATED**

March 2013.

**Unichem Product Group**

Unichem offers a wide range of industrial coatings, fireproofing and construction chemicals products that are manufactured, which include:

Intumescent coatings  
Fire retardants  
Industrial floorings.  
Steel and industrial coatings  
Waterproofing.  
Grouts and anchoring  
Concrete repairs.  
Structural protection.