

# dinaphon® Primer Z 900

**Aqueous lead-and chromate free one-pack corrosion protection primer, based on vinyl copolymer resins. The product displays fast drying, good mechanical and corrosion protection properties.**

## Security classification

Toxicity class (CH): none  
BAG T No (CH): 619000  
Transportation RID/ADR class: none

## Field of application

Multi-purpose primer for coaches and engines on road and track, agricultural machinery, apparatuses, metal constructions and vehicles.

Substrates:

- Steel cleaned or phosphatized or blasted
- Aluminium, achromatized or fine blasted
- Galvanized steel, fine blasted
- Polyester, grinded
- Old Coatings grinded
- Stainless steel, blasted

The substrates should be clean and free from dust, dirt, corrosion products, oil, fat and alike.

## Thinning

Tap water

## Color

Light grey  
Close to RAL

## Packaging

No returnable containers of 5 kg, 10 kg, 20 kg

## Specification

Viscosity at delivery (20°C)	2.5-4.5 Pa. sec.
Minimum temperature for application and drying	+10°C
Maximum humidity for drying	65% rel.hum
Minimum humidity for application	30% rel.hum
Solid content	approx. 57%
Density (20°C)	approx. 1.3 kg/l
Consumption per m <sup>2</sup> for dry film of 40 microns (20°C)	approx. 120 g
Drying time for dry film of 40 microns (20°C)	
• Dust-free after	30 min.
• Touch dry	30 min.
• Recoatable by spraying after	4 hours
• Through dry after	24 hours
• Forced drying at 40 – 80 °C possible	
Storability in sealed unopened containers (20°C)	12 months
VOC	< 3%

## Notices

Dinaphon Z900 is sensitive to frost! Do not store below +5°C or above + 40°C!

## Application

Preferably by pneumatic Air mix or airless spraying.

For spray application with different spray devices, Dinaphon Z900 requires specific spray viscosities.

For the application and drying of Dinaphon Z900, the following parameters are of great importance:

- Air temperature 20 – 25°C
- Air humidity 40 – 60%
- Air flow (ventilation) 0.4 – 0.8 m/sec
- Object temperature > +10°C

## Application data

Method of application	Spray gun Pressure tank Low pressure Equipment	Airless	Airmix
Viscosity 6 mm Nozzle	60-80 sec 1.4-1.8 mm	> 150 sec 0.38 - 0.43 mm	> 150 sec 0.33 - 0.38 mm
Input pressure	1.5-2.5 bar	-----	-----
Pressure on material	-----	6 bar	5-6 bar
Ratio	-----	30 : 1	30 : 1
Spray pressure	3-4 bar	-----	1.5-2 bar

## Precaution

The regulations of the Health and Safety at Work Act are to be observed.

## Cleaning of equipment

Immediately after work with appropriate cleaning materials.

## Top Coats

Tested is Dinaphon Z900 with the following top coats:

- Afraplast A 94
- Dinaphon® V 100
- Dinaphon® A 200
- Dinaphon® A 220
- Dinaphon® A 330

## Remarks

Our recommendations, technical application advises and instruction manuals are based on the best of our knowledge. Due to constant developments they are non-binding and might necessitate trials regarding the qualification of a material for the intended use and purpose.