TECHNICAL DATA SHEET
EP-ZINC 2

Revision date: 26/08/2025 Publication date: 03/03/16

Anti-rust zinc dust paint which guarantees a lasting protection of blasted steel.
Excellent weldable if applied in a dry film thickness of less than 25 micrometer.
After a short time recoatable with epoxy, polyurethane, vinyl and chlorinated rubber paint.
When it must be recoatable with a alkyd paint, then use Epoxy ZNF between 2 layers

Application as anti-rust primer for steel structures under industrial, maritime and nuclear conditions. To prevent zinc-salts it is advisable tot apply a sealer directly after drying

PRODUCT INFORMATION

Type of paint	Two components epoxyprimer/coating with polyamide adduct hardener
Finish	Mat
Colour	Grey
Density (Mixed product)	2.9 kg/L
Zinc Content (in dry film)	90 m%
Solids content (mixed product)	55 vol%
VOC (volatile organic compounds)	370 g/L
Recommended dry film thickness (DFT)	25-50 µm
Recommended wet film thickness (WFT)	50-100 µm
Theoretical spreading rate	
DFT = 25 µm	22 m²/L
DFT = 40 µm	13.75 m²/L
Practial spreading rate (Depending on several factors, like object shape, surface profile, application method and circumstances and experience)	Brush/roller : 85-90% of the theoretical spreading rate Pistol : 50-70 % of the theoretical spreading rate
Flashpoint	
Paint	23°C
Thinner EP	23°C
Dry temperature resistance	180°C

DRYING TIMES

For d.f.t. up to 20µm 30°C 20°C 10°C

	30°C	20°C	10°C
Manageable	1 hour	2 hours	4 hours
Overpainted			
Minimum interval	3 hours	4 hours	8 hours
Maximum interval	Unlimited provided that the surface is dry and clean		

Because zinc-dust paints can develop zinc-salts on the surface, we recommend to recoat as soon as possible.

Film thickness, ventilation, temperature and relative humidity are of great influence on the drying times.

+32 56 321 521
sales@vibol.be
Nijverheidslaan 45
8560 Gullegem
www.vibol.be

APPLICATIONS-INSTRUCTIONS

Mixing ratio: 8,5/1,5 with Ep Zinc 2 harder

Mixing instructions: Base and hardener should be mixed and applied at temperatures above 10°C
At lower temperatures extra thinner is needed.

Iduction time: At 20°C not necessary
At 10°C at least 10 minutes.

Pot life after mixing: At 20°C ca. 24 hours
At 35°C ca. 6 hours

Application conditions: During application and hardening the temperature should be above 5°C to attain maximum resistance against chemical and mechanical influences.

Application at lower temperatures (down to -5°C) is possible, however hardening will take considerable more time and complete resistance will be achieved much later.

The surface should remain free from water and ice and the temperature of the surface should at least be 3°C above dew point.

During application and hardening in closed or small spaces, it is necessary to refresh the air continually to remove the solvent vapours, this because of drying, health and safety.

Usage	**Airless**	**Airspray**
Type of thinner	Thinner EP	Thinner EP
Percentage of thinner	5-20 vol%	10-25 vol%
Nozzle orifice	0.43-0.48 mm 0.017-0.019	2.0-2.5 mm
Nozzle pressure	150-170 bar	3-5 bar
Cleaning	Cellulose thinner	Cellulose thinner

SURFACE CONDITIONS

Steel: New steel:
Blasting according to Sa2½
Roughness profile Ra 10-12 m Rz 50-60m
Surface must be clean and dry.
Repair and maintenance:
Clean the surface carefully with a suitable solvent containing cleaning preparation, or a watersoluble emulsifier to remove oil, grease and dirt.
Remove salts and other water-soluble impurity by spraying with clean tap-water under high pressure.
Remove rust a.o. by blasing Sa2½ or derust mechanical until St.2-3
Apply the advised paint system (Vibol Epoxy ZNF) on a clean surface.
- Mechanical or hand derusting gives less quality than blasing and will result in less protection of the applied paint system.

+32 56 321 521
sales@vibol.be
Nijverheidslaan 45
8560 Gullegem
www.vibol.be

DURABILITY

At least 12 months, provided that it has been stored in closed original packing at a dry and cool spot.

PACKAGING

8,5 + 1,5 L

+32 56 321 521
sales@vibol.be
Nijverheidslaan 45
8560 Gullegem
www.vibol.be