



zandleven coatings

ZANDINOL® IJZERGLIMMER HB

alkyd

One component high build alkyd micaceous iron oxide primer and/or finish.

- Easy to apply in thick layers.
- The pigmentation with micaceous iron oxide provides a long lasting resistance against weather conditions.

Application as intermediate and/or finish layer for the protection of steel constructions in a rural, industrial and maritime environment.

Product information

Finish	Metal-gloss/semi-mat
Colour	8 colours according to the micaceous iron oxide colour card
Mass density	approx. 1.4 kg/L
Solids content by volume	ca. 57 volume %
VOC	approx. 325 gr./L (volatile organic compound)
Recommended film thickness	40- 80 µm d.f.t. per layer 70-140 µm w.f.t. per layer (undiluted)
Theoretical spreading rate	At 40 µm d.f.t. 14.3 m ² /L
Practical spreading rate	Depending on several factors like shape of object, profile of surface, method of application, application circumstances and experience. A few guiding principles are: Brush/roller 85-90% of the theoretical spreading rate Spraying 50-70% of the theoretical spreading rate
Flashpoint ISO 1523	Paint 39 °C Thinner AA 22 40 °C
Dry temperature resistance	100 °C
Durability	At least 12 months, provided that it has been stored in closed original packing at a dry and cool spot.

Drying times

For d.f.t. up to 80 µm

Dust dry

Manageable

Recoat able:

Minimum interval

Maximum interval

Transportation and assembly

30 °C	20 °C	5-10 °C
1 hour	1 hour	2 hours
10 hours	24 hours	36 hours
10 hours	24 hours	36 hours
Unlimited, provided that the surface is dry and clean.		
Film thickness, ventilation, temperature and relative humidity are of great influence on the drying times.		
Easily damaged at large thicknesses.		



Application instructions

Optimal application
circumstances

Temperature : 15-25°C
Humidity : 40-75%

Technical and esthetical properties can change when the product has been applied under different conditions.

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 information

Type of thinner

Recommended thinner
(depending on application
and equipment)

Nozzle orifice

Nozzle pressure

Typical d.f.t.

Cleaning of equipment

Airless-spray	Airspray	Brush/roller
AA 22	AA 22	AA 22
0 – 10 vol. %	5 – 15 vol. %	0 – 5 vol. %
0.43 – 0.48 mm 0.017 – 0.019 inch	2.0 – 2.5 mm	
150 – 180 bar	3 – 5 bar	
100 µm	80 µm	60 µm
Thinner AA 22		

Surface conditions

Steel

New steel:

As primer a Zandinol or a Zancor primer can be used.

Repair and maintenance:

Clean the surface with a suitable cleaning preparation or by steam cleaning.

Remove salts and other water-soluble impurity by spraying with clean tap-water under high pressure.

Remove rust a.o. by (water)blasting Sa 2½ or derust mechanical until St. 2-3.

Apply the advised paint system on a clean surface.

- Mechanical or hand derusting gives less quality than (water)blasting and will result in less protection of the applied paint system.

Safety description

See safety data sheet

Ventilation rules

Minimum required quantity of air to comply with:		
	MAC	10 % LEL
Zandinol IJzerglimmer HB	729 m³/L	94 m³/L
Thinner AA 22	1320 m³/L	205 m³/L

MAC = Maximum Acceptable Concentration

LEL = Lower Explosion Limit

Also consult the security information sheets

Pretreatment / Labeling / Technical Terms (downloadable from www.zandleven.com)

A 1 Labeling of paint products in the European Community

A 2 Physical data

A 4 General guidelines for steelpreservation

A 6 Pretreatment of construction steel

These data have been drawn up to the best of our knowledge and were correct at the date of issue. However we cannot accept full responsibility, because the choice of products and circumstances during elaboration of the systems fall outside our judgement. This documentation sheet will not automatically be replaced in case of modification.

The English language text is a translation. In case of doubt the Dutch language original text has to be consulted as the authoritative text.