



# zandleven coatings

## BITUMENLAK ZL-THIX

bitumen

One component coating material based on bitumen, with good resistance to water.

- Applicable in thick layers up to 200 micrometer (d.f.t.)

**Application** for the protection of steel and concrete in contact with water.

### Product information

Finish	Matt
Colour	Black
Mass density	approx. 1.20 kg/L
Solids content by volume	approx. 60 volume %
VOC	approx. 410 gr./L (volatile organic compound)
Recommended film thickness	125 - 200 µm d.f.t. per layer 210 - 320 µm w.f.t. per layer (undiluted)
Theoretical spreading rate	At 125 µm d.f.t. 4.8 m <sup>2</sup> /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 35 °C Thinner FAB 622 35 °C
Dry temperature resistance	95 °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 200 µm

Dust dry

Manageable

Recoatable:

Minimum interval

Maximum interval

30 °C	20 °C	5-10 °C
3 hours	4 hours	8 hours
8 hours	10 hours	24 hours
8 hours	12 hours	18 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.		



## Application instructions

### Application conditions

The surface should stay dry and the temperature of the surface should be at least 2°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 information

Type of thinner  
Recommended thinner  
(depending on application  
and equipment)  
Nozzle orifice  
  
Nozzle pressure  
Maximum attainable d.f.t.  
Cleaning of tools

Airless-spray	Air spray
FAB 622	FAB 622
0 – 5 vol. %	5 – 10 vol. %
0.43 – 0.48 mm 0.017 – 0.019 inch	1.5 – 2.5 mm
120 – 150 bar	2 – 3 bar
200 µm	70 µm
Thinner FAB 622	

### Surface conditions

#### Steel

New steel:

Blasting according to the ISO norm 8501-1:1988 Sa 2½.

Roughness profile Ra 10-12 µm Rz 50-60 µm.

Surface must be clean and dry.

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
Bitumenlak ZL-Thix	695 m³/L	96 m³/L
Thinner FAB 622	2085 m³/L	173 m³/L

MAC = Maximum Acceptable Concentration

LEL = Lower Explosion Limit

Also consult the security information sheets

### Pretreatment / Labelling / Technical Terms (downloadable from [www.zandleven.com](http://www.zandleven.com))

A 1 Labeling of paint products in the European Community

A 2 Physical data

A 4 General guidelines for steel preservation

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.