



# zandleven coatings

## MONOLAC® KOMPOSITIEVERF

alkyd

One component alkyd finish paint for in- and outdoors.

- Weather resistance, high gloss and long lasting gloss retention.
- Good hiding power, easy to apply.

**Application** as finish layer on a.o. finish wood and steel constructions in rural, light industrial and maritime environment.

### Product information

Finish	Low glossy
Colour	RAL colours
Mass density	approx. 1.2 kg/L (depending on colour)
Solids content by volume	approx. 45 volume % (depending on colour)
VOC	approx. 485 gr./L (volatile organic compound)
Recommended film thickness	40-60 µm d.f.t. per layer 90-135 µm w.f.t. per layer (undiluted)
Theoretical spreading rate	At 40 µm d.f.t. 11.3 m²/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	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 60 µm

Dust dry

Manageable

Recoatable:

Minimum interval

Maximum interval

Transportation and assembling

30 °C	20 °C	5-10 °C
1 hour	2 hours	4 hours
10 hours	24 hours	36 hours
10 hours	24 hours	36 hours
Unlimited, provided that the surface is clean and dry.		
Film thickness, ventilation, temperature and relative humidity are of great influence on the drying times.		
Easily damageable in case of thick layers		



## Application instructions

### Application conditions

During application and hardening the temperature should be above 5°C.

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

Airspray

Brush/roller

AA 22

0 – 10 vol. %

AA 22

5 – 25 vol. %

AA 22

0 – 5 vol. %

0.28 – 0.33 mm

0.011 – 0.013 inch

1.5 mm

120 – 140 bar

2 – 3 bar

60 µm

50 µm

60 µm

Thinner AA 22

## Surface conditions

### Steel

New steel:

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

Repair and maintenance:

Clean the surface thoroughly 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.

## Product Characteristics

No coating work shall be carried out when the temperature of the surface is less than 3°C above dew point.

Condensation occurring during or immediately after application may result in a matt and an inferior film.

Colours/Colour stability:

Certain lead-free red and yellow colours may discolour when exposed to chlorine-containing atmosphere.

To obtain full opacity, an extra coat may be necessary, especially for certain lead-free colours in red, orange, yellow and green.

Higher film thickness, insufficient ventilation or cooler temperatures will require longer cure times and could result in solvent entrapment and premature failure.

A completely clean surface is mandatory to ensure intercoat adhesion, especially at long recoating intervals.

Any dirt, oil, and grease has to be removed, e.g. with suitable detergent. Salt to be removed by fresh water hosing



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### Safety description

See safety data sheet

### Ventilation rules

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Minimum required quantity of air to comply with:

	MAC	10 % LEL
Monolac Kompositieverf	790 m <sup>3</sup> /L	94 m <sup>3</sup> /L
Thinner AA 22	1320 m <sup>3</sup> /L	205 m <sup>3</sup> /L

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MAC = Maximum Acceptable Concentration

LEL = Lower Explosion Limit

Also consult the security information sheets

### Pretreatment / Labeling / 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 steelpreservation

A 6 Pretreatment of construction steel



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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.