



zandleven coatings

ZANCOR® FD

alkyd

One component fast drying oil resistant finishing paint for indoor and outdoor.

- Good weather resistance, high gloss and lasting retention of gloss.
- Excellent hiding power.

Application for finishing steel structures in rural, industrial and maritime environment.

- For finishing of machines and machinery which are often in contact with oil and warm pipelines.

Product information

Finish	High gloss (90 GU, depending on colour)
Colour	RAL colours
Mass density	approx. 1.2 kg/L (depending on colour)
Solids content by volume	approx. 50 volume % (depending on colour)
VOC	approx. 435 gr./L (volatile organic compound)
Recommended film thickness	35- 50 µm d.f.t. per layer 70-100 µm w.f.t. per layer (undiluted)
Theoretical spreading rate	At 40 µm d.f.t. 12.5 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 30°C Thinner FGM 631 26°C Thinner WTD 107 14°C
Dry temperature resistance	120°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 50 µm

Dust dry

Manageable

Recoat able:

Minimum interval

Maximum interval

Transportation and assembling

30°C	20°C	5-10°C
15 minutes	30 minutes	1 hour
4 hours	6 hours	10 hours
3 days	7 days	14 days
Unlimited, provided that the surface is dry and clean.		
Film thickness, ventilation, temperature and relative humidity are of great influence on the drying times.		
Easy to damage at thick layers.		

Explanation: in order to avoid or reduce the risk of wrinkling, it is to be recommend to apply the 2nd layer of this product or a finish coat based on the same resin technology, within 4 hours or after 48 hours drying (20°C) of the 1st layer. If necessary, please consult your supplier.



Application instructions

Application conditions

During application and hardening the temperature should be above 5°C to attain optimal qualities.

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
FGM 631 / WTD 107	FGM 631 / WTD 107	FGM 631 / WTD 107
5 – 10 vol. %	5 – 10 vol. %	0 – 5 vol. %
0.28 – 0.33 mm 0.011 – 0.013 inch	1.5 mm	
120 – 140 bar	2 – 3 bar	
50 µm	50 µm	50 µm
Thinner FGM 631 or WTD 107		

Surface conditions

Steel

New steel:

A Zancor or Monopox primer can be used as primer layer.

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.

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.



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Safety description

See safety data sheet

Ventilation rules

Minimum required quantity of air to comply with:

	MAC	10 % LEL
Zancor FD	1835 m³/L	95 m³/L
Thinner FGM 631	3995 m³/L	160 m³/L
Thinner WTD 107	4085 m³/L	168m³/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 de 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.