# ZANCOR® ZF-488

alkyd

One component fast drying modified alkyd anti-rust paint, pigmented with zincphosphate.

- Excellent anti-corrosive, lead and chromate free.
- Easy to apply in thick layers.
- Good hardening at low temperatures.

**Application** as anti-rust primer/coating to use at a.o. (construction) workshop.
- After hardening recoatable with practically any paint system.

## Product information

| | |
|---|---|
| Finish | Eggshell (depending on colour) |
| Colour | RAL colours |
| Mass density | approx. 1.40 kg/L (depending on colour) |
| Solids content by volume | approx. 50 volume % (depending on colour) |
| VOC | approx. 400 gr./L (volatile organic compound) |
| Recommended film thickness | 35- 70 µm d.f.t. per layer<br>70-140 µm w.f.t. per layer (undiluted) |
| Theoretical spreading rate | At 70 µm d.f.t. 7.1 m²/L |
| Practical spreading rate | Depending on several factors like shape of object, profile of surface, method of application, application circumstances and experience.<br>A few guiding principles are:<br>Brush/roller 85-90% of the theoretical spreading rate<br>Spraying 50-70% of the theoretical spreading rate |
| Flashpoint ISO 1523 | Paint 23 °C<br>Thinner FGM 631 26 °C<br>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 80 µm | 30 °C | 20 °C | 5-10 °C |
|---|---|---|---|
| Dust dry | 10 minutes | 20 minutes | 30 minutes |
| Manageable | 3 hours | 4 hours | 8 hours |
| Recoatable: Minimum interval | 2 hours | 3 hours | 6 hours |
| Maximum interval | Unlimited, provided that the surface is dry and clean. | | |
| | Film thickness, ventilation, temperature and relative humidity are of great influence on the drying times. | | |
| Recoatable with a two components paint system | After 1 to 4 weeks, depending on the temperature and layer thickness. | | |

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 of the 1st layer.
If necessary, please consult your supplier.

## Application instructions

Application conditions

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

| | Airless-spray | Airspray |
|---|---|---|
| Type of thinner | FGM 631 / WTD 107 | FGM 631 / WTD 107 |
| Recommended thinner (depending on application and equipment) | 5 – 15 vol. % | 5 – 20 vol. % |
| Nozzle orifice | 0.41 – 0.46 mm<br>0.016 – 0.018 inch | 1.5 – 2.5 mm |
| Nozzle pressure | 150 – 180 bar | 3 – 5 bar |
| Maximum attainable d.f.t. | 80 µm | 60 µm |
| Cleaning of tools | Thinner FGM 631 / WTD 107 | |

## 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 |
|---|---|---|
| Zancor ZF-488 | 2300 m³/L | 90 m³/L |
| Thinner FGM 631 | 3995 m³/L | 160 m³/L |
| Thinner WTD 107 | 4085 m³/L | 168 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