



# zandleven coatings

## MONOCHLOR® SF-DUPLEX chlorinated rubber

One component high build chlorinated rubber coating, pigmented with zincphosphate and micaceous iron oxide.

- Excellent adherence on steel and aged hot-dip galvanised steel.
- Resistant against water, polluted water, seawater, alkaline and weak acid solutions.
- Good hardening, also at low temperatures.

**Application** as (anti-corrosive) primer/coating on steel and concrete in industrial and maritime environment.

- Recoatable with chlorinated rubber and vinyl polymer systems.

### Product information

Finish	Semi-gloss
Colour	Limited number of colours.
Mass density	approx. 1.45 kg/L (depending on colour)
Solids content by volume	approx. 44 volume % (depending on colour)
VOC	approx. 485 gr./L (volatile organic compound)
Recommended film thickness	70 -100 µm d.f.t. per layer 160-225 µm w.f.t. per layer (undiluted)
Theoretical spreading rate	At 70 µm d.f.t. 6.3 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 30 °C Thinner FAB 622 30 °C
Dry temperature resistance	80 °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 100 µm

Dust dry

Manageable

Recoatable:

Minimum interval

Maximum interval

Transportation and assembling

30 °C	20 °C	5-10 °C
30 minutes	1 hour	2 hours
4 hours	6 hours	10 hours
6 hours	8 hours	16 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 damageable in case of thick layers		



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## Application instructions

### Application conditions

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

The surface should stay dry and the temperature of the surface should be at least 3 °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	Airspray	Brush/roller
FAB 622	FAB 622	FAB 622
0 – 5 vol. %	5 – 10 vol. %	0 – 5 vol. %
0.43 – 0.53 mm 0.017 – 0.021 inch	2.0 – 2.5 mm	
130 – 150 bar	3 – 5 bar	
100 µm	80 µm	70 µm
Thinner FAB 622		

Approved according TenneT specification 14.02 – Report number 30849-001

### 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.

#### Hot-dip galvanised steel

##### New hot-dip galvanised steel

Sweep blast with a fine, non-metallic blasting media, until a level roughened surface is obtained, or degrease the surface and after that phosphatize or chromate (according to the instructions of the manufacturer)

### Safety description

See safety data sheet

### Ventilation rules

#### Minimum required quantity of air to comply with:

	MAC	10 % LEL
Monochlor SF-Duplex	1050 m³/L	100 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 / 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 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 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.

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