



zandleven coatings

ACRATON® CRT-HS COATING

epoxy

A two components, high solid epoxy coating with high chemical resistance.

- Apply with an airless-spray thick films large up to 400 µm.
- Excellent resistant against organic and an-organic acids and also solvents.
- After hardening excellent mechanical resistance and elasticity.

Application on steel en concrete in aggressive industrial and maritime environment.

- Extremely suitable to protect tanks, containers and pipelines.

Product information

Finish	Low gloss
Colour	Limited number of colours
Mass density	approx. 1.5 kg/L (mixed product)
Solids content by volume	ca. 90 volume % (mixed product)
VOC	approx. 90 gr./L (volatile organic compound)
Recommended film thickness	200-400 µm d.f.t. per layer 220-445 µm w.f.t. per layer (undiluted)
Theoretical spreading rate	At 200 µm d.f.t. 4.5 m ² /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	Base 50 °C Hardener 2V12 above 64 °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 150 µm

Dust dry

Transportable

Complete hardening

Recoatable:

Minimum interval

Maximum interval

30 °C	20 °C	10 °C
2 hours	3 hours	6 hours
12 hours	24 hours	48 hours
4 days	6 days	14 days
5 hours	8 hours	16 hours
2 days	3 days	6 days

(Rain)water load may cause, during the first days after application, white stains.

Film thickness, ventilation, temperature and relative humidity are of great influence on the drying times.



Ganzlin



Application instructions

Mixing ratio	Volume: Base – hardener 2V12 80:20 Weight: Base – hardener 2V12 86:14
Mixing instructions	Base and hardener should be mixed and applied at temperatures above 10 °C. At lower temperatures extra thinner is needed, which gives a slighter resistance against sagging and which will delay hardening. The components should be blended homogeneously with a mechanical blender.
Induction time	At 20 °C not necessary At 10 °C at least 10 minutes
Pot life after mixing	20 litre packing: Approx. 4 hours at 10 °C Approx. 2 hours at 20 °C Approx. 1 hours at 30 °C
Application conditions	During application and hardening the temperature of the surface should be above 10 °C.

The temperature of the surface should at least be 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	Airless-spray	Air spray	Brush/roller
Recommended thinner (depending on application and equipment)	FGM 631 / WTD 107	FGM 631 / WTD 107	FGM 631 / WTD 107
Nozzle orifice	0 – 5 vol. %	5 – 10 vol. %	0 – 5 vol. %
Nozzle pressure	0.53 – 0.66 mm 0.021 – 0.026 inch	2.0 – 2.5 mm	
Maximum attainable d.f.t.	200 – 220 bar	3 – 4 bar	
Cleaning of tools	400 µm	200 µm	200 µm
	Thinner FGM 631 / WTD 107		

Surface conditions

Steel	New steel: Blast according to the ISO norm 8501-1:1988 Sa 2½. Roughness profile Ra 12-15 µm Rz 60-75 µm. Surface should be dry and clean.
Concrete	Lightly blast to remove old paint layers and the cement-skin. If blasting isn't possible, the concrete can be pre-treated by etching. Rinse the concrete thoroughly with clean tap-water and let it dry well. Carry out concrete repairs with epoxy repair mortar.



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Product Characteristics

No coating work shall be carried out when the temperature of the surface is less than 3 °C above dew point and when the substrate temperature is below 5 °C.

Due to the presence of solvents, applying this product in confined spaces, adequate ventilation has to be ensured.

At low temperature and under humid conditions, amine blushing can occur, which can effect the intercoat adhesion negatively. Prior to the application of the next layer, the previous layer must be checked for this phenomena.

Discoloration or loss of gloss or other surface defects, can occur during drying and curing by condensation and or early water spotting. In particular bright and "full" colours.

This coating product is based on epoxy technology. It is recommendable that it should be overcoated with a durable finish.

Maximum film build in one coat is best attained by airless spray. Application by other techniques, it may be necessary to apply multiple coats in order to achieve the total specified dry film thickness.

Safety description

See safety data sheet

Ventilation rules

Minimum required quantity of air to comply with:

	MAC	10 % LEL
Acraton CRT-HS coating	500 m³/L	20 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 3 Persistency list for Monopox HB systems
- A 4 General guidelines for steel preservation
- A 5 General guidelines for the application of Acraton plastics
- 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.

