



zandleven coatings

POLYFINISH® BLANC

polyurethane

A two components polyurethane clearcoat with a good outdoor resistance.

- Suitable as topcoat over metalized coatings and micaceous iron oxide coatings
- Slight dirt retention and easy to rinse.

Application as UV-resistant, impact-resisting topcoat over epoxy and polyurethane metallised coatings.

Product information

Finish	High Gloss (approx. 95 GU) / Matt (approx. 25 GU)
Colour	Transparent
Mass density	approx. 1.0 kg/L (mixed product)
Solids content by volume	ca. 45 volume % (mixed product)
VOC	approx. 500 gr./L (volatile organic compound)
Recommended film thickness	35- 50 µm d.f.t. per layer 65-110 µm w.f.t. per layer (undiluted)
Theoretical spreading rate	At 30 µm d.f.t. 15.0 m²/L At 50 µm d.f.t. 9.0 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	Base 23°C Hardener 2V56 30°C Thinner BFJ 181 42°C Thinner JFG 253 28°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
Transportable
Complete hardening
Recoat able:
Minimum interval
Maximum interval

30°C	20°C	10°C	5°C	0°C
½ hour	1 hour	1½ hour	2 hours	4 hours
8 hours	16 hours	24 hours	30 hours	48 hours
2 days	4 days	7 days	10 days	16 days
6 hours	10 hours	16 hours	24 hours	48 hours
2 days	4 days	7 days	7 days	7 days

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



Application instructions

Mixing ratio	Volume: Base – hardener 2V56 75 :25 Weight: Base – hardener 2V56 75 : 25
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.
Induction time	At 20°C not necessary At 10°C at least 10 minutes
Pot life after mixing	20 litre packing: approx. 16 hours at 10°C approx. 6 hours at 20°C approx. 4 hours at 30°C
Application conditions	During application and curing the temperature should be above 5°C, to obtain maximum resistance against chemical and mechanical influences. Application and hardening at lower temperatures (down to 0°C) is possible, the hardening though will then take considerable more time and complete resistance will be achieved much later. The surface should remain dry and the temperature of the surface should be at least 3°C above dew point. During application and hardening in closed and small spaces it is necessary to refresh the air continually to remove the solvent vapours, this because of curing, health and safety.

Usage information

Type of thinner	Airless/Airmix-spray	Airspray
Recommended thinner (depending on application and equipment)	BFJ 181 or JFG 253	BFJ 181 or JFG 253
	DIN-Cup4 20-25"	5 – 10 vol. %
	Before spraying always measure viscosity with DIN-Cup4	
	First apply a thin layer and after approximately 20 minutes a full layer	
Nozzle orifice	0.23 – 0.33 mm 0.009 – 0.013 inch	1.5 – 2.0 mm
Nozzle pressure	80 – 160 bar	2 – 3 bar
Maximum attainable d.f.t.	50 µm	50 µm
Cleaning of tools	Thinner BFJ 181 or JFG 253	

Surface conditions

Polyfinish Blanc can be used as topcoat on surfaces which are provided with an epoxy or polyurethane coating.

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Safety description

See safety data sheet

Ventilation rules

Minimum required quantity of air to comply with:

	MAC	10 % LEL
Polyfinish Blanc	1510 m ³ /L	66 m ³ /L
Thinner BFJ 181	1970 m ³ /L	158 m ³ /L
Thinner JFG 253	3680 m ³ /L	149 m ³ /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 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.

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