



zandleven coatings

AQUISIL[®] SC ALUMINIUM

siloxane

One component siloxane paint pigmented with aluminium.

- Excellent resistance against weather influences and large temperature fluctuations.
- Physical (normal) hardening, though the sufficient properties will be obtained at room temperature

Application on pipelines, boilers, chimneys, ovens, heat-exchangers etc.

- Zinksilicaat ZL 400-55 is recommended in a corrosive environment.

Product information

Finish	Metal-gloss
Color	Aluminium appr. RAL 9006
Mass density	approx. 1.5 kg/L
Solids content by volume	approx. 58 volume %
VOC	approx. 335 gr./L (volatile organic compound)
Recommended film thickness	50-80 µm d.f.t. per layer 85-135 µm w.f.t. per layer (undiluted)
Theoretical spreading rate	At 60 µm d.f.t. 9.7 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	Paint 30°C Thinner BB 55 27°C
Dry temperature resistance	500°C (600°C discontinuously)
Shelf life	Material should be stored in a dry, shaded environment away from heat & ignition sources. Do not allow material to freeze. Shelf life is minimum 12 months at 23°C.

Drying times

For d.f.t. up to 80 µm

Dust dry

Manageable

Recoatable:

Minimum interval

Maximum interval

30°C	20°C	10°C
1 hour	2 hours	6 hour
16 hours	24 hours	36 hours
6 hours	8 hours	24 hours
Unlimited, provided that the surface is clean and dry.		
Film thickness, ventilation, temperature and relative humidity are of great influence on the drying times.		



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Application instructions

Application conditions

The surface should remain dry and 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
Recommended thinner
(depending on application
and equipment)
Nozzle orifice

Nozzle pressure
Maximum attainable d.f.t.
Cleaning of tools

Airless-spray	Airspray	Brush/roller
BB 55	BB 55	BB 55
0 – 5 vol. %	5 – 10 vol. %	0 – 5 vol. %
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0.38 – 0.43 mm 0.015 – 0.017 inch	1.5 – 2.0 mm	
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120 – 150 bar	2 – 3 bar	
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80 µm	70 µm	50 µm
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Thinner BB 55		

Surface conditions

Steel

New steel:

As primer Zinksilicaat ZL 400-55 can be used.

Repair and maintenance:

Clean the surface thoroughly 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 , in accordance with ISO 8501-1:2007.

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.

Ventilation precaution

Minimum required quantity of air to comply with:

	IOELV(EU)	10 % LEL
Aquisil SC Aluminium	1102 m³/L	45 m³/L
Thinner BB 55	3935 m³/L	165 m³/L

IOELV = Indicative Occupational Exposure Limit Values

LEL = Lower Explosion Limit

Also consult the security information sheets

Additional and applicable information (www.zandleven.com)

- General guidelines
- Material Safety Data Sheet
- information curing agents en thinners
- Color surcharge
- General terms and conditions of delivery

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.