



Technical data sheet

Aqualin 2C paint aqueous,

Number:	47-....-AQ	47-1000-310	white
		47-2000-320	traffic yellow RAL 1023
		19-0906-000	Hardener for Aqualin paint (2C)

Characteristic: 2-comp. paint for road marking, water dilutable, on the basis of acrylic resins. The product features a good adhesion and a fast drying/fast opening of the road.

Field of application: Markings for parking decks and storage buildings, where solvent-based products cannot be used for health reasons.
Aqualin is only suitable for limited outdoor use (chalking/yellowing).

In accordance with the General Conditions of Sale and Delivery, the responsibility of Basler Lacke AG is limited and partially excluded (reference is made to www.basler-lacke.ch). They form an integral part of each supply. In addition, responsibility is declined within the legal limits for any damages resulting of a product being not appropriate for a certain application.

We do neither assure nor guarantee the suitability of the products for a certain applicability or a certain type of processing. In either case, the buyer has to do preliminary suitability tests in accordance with his operating conditions.

Technical information:	Binder:	Epoxy resin, acrylic resin
	Density:	1.53 g/cm ³ white 1.48 g/cm ³ yellow
	Supplying viscosity:	18 - 22 s DIN6
	Processing viscosity:	About 20-25 s / DIN 6
	Non-volatile content:	Solid matter (weight): about 70% (depending on color hue) Solid matter (volume): about 55% (depending on color hue)
	VOC content:	< 3 %
	Mixing ratio:	100 : 9.5 with 19-0906-000
	Pot life:	About 2h (depending on temperature) Please note: You cannot find out the end of pot life!

Processing requirements: The surface and the air temperature may not fall below 10°C. The rel. air humidity may not pass over 75%.
The surface temperature has to be at least 3°C above the dew point and may not pass over 35°C.

Hints:

- **Avoid applications at 10°C to 15°C at a relative air humidity of more than 60%**
- **Draught and high relative air humidity can provide cracking on the coating surface!**
- **The temperature may not fall below 10°C during the drying time. Within 4 days after application, the temperature may not fall below 0°C!**
- **Every dilutation decreases the drying properties (slower drying, cracking)**



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- **Observe the pot life. Keep the time in mind! You cannot find out the end of pot life!**

Before processing

Stir up well the master batch and add the hardener by the required mixing ratio. Then stir carefully, most suitable by using a mechanical stirrer. Dilute with at most 2% of water if necessary.

By adding hardener, keep the time in mind.

Marking tools:

The pipes have to be free of solvent leftovers before filling the tank (blow them down and clean with water). It would be best to use one marking system **only** for water based products.

All tools which encounter the paint, have to be made of stainless material. They must contain neither non-ferrous metal nor a composition of it.

Application:

Spray application by air or airless system. Manual application is possible with roller or brush.

For increasing the skid resistance approx. 5-15% of quarry sand (40-P-036, grain size 0,1-0,5 mm) may be mixed in or interspersed in the undercoating as a double layer composition.

Glassbeads have to be interspersed directly during the application of the paint.

Cleaning:

Immediately after completing the marking clean and flush the nozzles, the pipes and all tools thoroughly with thinner 18-0400-000.

Absolutely avoid leftovers of paint with expired pot-life in the application system.

Types of marking:

Recommended wet film thickness:

	Wet film thickness	=	Application quantity	=	Dry film thickness
min.	250 µm	=	350 g/m ²	=	100 µm
max.	400 µm	=	600 g/m ²	=	150 µm

These recommended specifications depend on the colour.

Substrate condition:

All surfaces have to be sustainable, dry and free of dust, oil and grease.

A direct application on bituminous coatings and concrete is possible. Components of the surface which minimise the adhesion have to be removed from new markings. The application on new bitumen and concrete surfaces shall be done 4 weeks after opening the road at the earliest.

On bad compressed surfaces and on defective old markings, a pre-treatment shall be done (by milling or grit blasting).

To mark substrates whose surfaces are modified or sealed such as hard concrete, synthetic resin on the basis of EP or PU, we recommend to do a check of adhesion first.

A flat and glossy surface can be roughened better.

For critical or unfamiliar surfaces, we recommend to do a check of adhesion first. The final crosslinking lasts 4-8 days. Then you can see the adhesion.



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General information:	Walkable:	at 20°C about 1-2h (depending on the rel.air humidity) at 10°C about 4h (depending on the rel.air humidity)
	Trafficable:	at 20°C about 12-14h (depending on the rel.air humidity) at 10°C about 24h (depending on the rel.air humidity)
	Standard cans:	10 kg 47-... (Comp. A) 0.95 kg 19-0906-000 (Comp. B) 21 kg 18-0400-000 thinner for flushing and cleaning (not for diluting!)

Labelling:		<u>Aqualin 2C coat</u>	<u>19-0906-000</u>
	Flash point:	inapplicable	inapplicable
	Classifikation		
	harzardoeus mat. RID/ADR:	--	9
	Packing group:	--	III
Disposal:	In accordance with national legal regulations		

Storage: 6 months from delivery date at +10 - +25 °C, in originally sealed containers. Protect the containers from direct sun light!
