



# Technical data sheet

PROTECTION MADE EASY

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## Aquabond Brush/Spray

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### Description and destination of the product

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**Aquabond Brush/Spray** is a high quality waterborne two-pack epoxy primer with following properties:

- very good adhesion and anticorrosion properties on steel, sandblasted steel, aluminium and galvanized steel (also in humid circumstances)
- very good adhesion on closed mineral surfaces (bluestone, ceramic tiles, enamelled surfaces), also in humid circumstances. These high quality characteristics are obtained by adding 1.5 % **Additive for Aquabond**)
- can be repainted with waterborne two-pack epoxy (**Aquapox, Aquafloor**), polyurethane and polyurethane acrylic finishing coats (**Satilux Aqua**).
- very good elasticity: Ericsen > 7 mm

Remark: can also be repainted with solvent borne polyurethanes after 24 hours drying at 20°C (**Cryltane, Mixtane**)

### Type of binder

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Resin: waterborne solid epoxy resin  
Hardener: aliphatic polyamine adduct.

### Type of pigment

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Titanium dioxide, anticorrosive pigments and fillers.

### Colour

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White and pastel colours.

### Gloss

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Low satin / mat.

## Technical data

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- **Density:** 1.3 ( $\pm$  0.05) g/cm<sup>3</sup>
- **Solids content:** 45 ( $\pm$  3) % in volume  
58 ( $\pm$  3) % in weight
- **Mixing ratio:** 84/16 in weight  
4/1 in volume  
Mixing errors result in deviating properties and differences in gloss. Therefore we advise to mix the complete contents of base paint and hardener.
- **Potlife:** Maximum 2.5 hours at 20°C  
The end of the potlife is not visual perceptible but 2.5 hours after mixing the two components, the product may not be applied any longer. If this product is still applied after 2.5 hours after mixing, the paint film loses its good qualities.
- **Drying times:**

dustdry	:	1 hour
tackfree	:	5 hours
dry	:	8 hours
fully cured	:	7 days
recoatable	:	After minimum 12 hours and maximum 3 days (without grinding)

Remark: Repaint with solvent borne systems: minimum 24 hours drying (air drying). Accelerated drying is possible.
- **VOC:** < 100 g/L
- **Theoretical yield:**  $\pm$  11 m<sup>2</sup>/L (40 micron dry)  
The practical yield can largely be influenced by the roughness and porosity of the substrate, the applied layer thickness or the losses by airless application.

## Surface preparation

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General: regardless of the type of surface, it must always be free of rust, dirt, dust, grease and salts in order to obtain a good adhesion. Grease and oil must be washed with solvent, alkaline solutions or emulsifiers.

Steel: see *general*

**Galvanized steel: after a good preparation always grind carefully with Scotch-Brite or sweepblast to remove all salts. If these salts are not removed this will result in film defects (craters). After grinding, degrease with a 5 % ammonia solution.**

Aluminium: after general preparation, grind slightly with Scotch-Brite.

Mineral surfaces: see general. The surface must be fully cured and sufficiently dry (must contain less than 5% moisture). Fungus or algal growth must be first removed with **Fungex**.

## Use

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- Mixing ratio: 84 parts by weight component A  
16 parts by weight component B
- Mix the 2 components immediately before use and stir
- **Aquabond Brush/Spray** can be sprayed with air pistol or airless installation.
- Ready-to-use for brush and roller applications (roller application with a Modacryl roller)
- For pneumatic spraying: add maximum 5 % water. It is highly recommended to use no higher dilution in order to avoid sagging when applied vertically. If the dilution is higher than 5 %, let dry horizontally.

	% Water	Sprayer	Pressure (bar)
Pneumatic gun	Max 5 %	1.5 – 1.8 mm	3 – 5 bar
Airless gun	0 %	0.011 – 0.018 inch	50 – 150 bar

- The material can be cleaned with tap water. If, after drying, the paint is hard to remove, **Thinner 73** can be used.
- For mineral surfaces (bluestone, faiences, ceramic surfaces) stir 1.5 % **Additive for Aquabond** manually (add 20 ml **Additive for Aquabond** to 1 L **Aquabond Brush/Spray**).

**Maximum allowed time of application is 2.5 hours!!!**

**If this product is used after 2.5 hours, it causes bad film properties.**

**Optimal film properties are obtained after 7 days of drying at a minimum temperature of 15°C and relative humidity between 30 % and 80 %.**

## Application conditions

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The temperature during application and drying (7 days) must always be higher than 12°C and the relative humidity must be higher than 30% and lower than 80 %. **If the temperature is lower than 12°C film formation is not possible.**

## Storage stability

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1.5 years in the original and unopened packing stored in a environment with temperatures higher than 5°C and lower than 40°C.

## Safety measure

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For detailed information about safety measures, personal protection and transport data of this product, we refer to the safety data sheet.

*The last update of our technical data sheets is always available at our website: [www.libertpaints.be](http://www.libertpaints.be)*

### Disclaimer

*The information given in this technical data sheet is only a general product description, based on our experiences and tests and therefore does not represent a specific practical case. Consequently Libert Paints doesn't guarantee the functionality or result and takes no responsibility in this respect.*

*We advise our clients to test the applicability of the product to the nature and the state of the surfaces and to carry out the necessary representative tests in case of doubt. Please contact our R&D department as the occasion arises.*

*Attention: our clients should verify whether the present technical data sheet hasn't been replaced by a more recent version.*