



Technical data sheet

PROTECTION MADE EASY

Aquafloor



Description and destination of the product

Aquafloor is a two-pack water thinable epoxy floor coating for inside applications. **Aquafloor** has a high abrasion and scratch resistance. It resists to various products (such as oil, petrol, various solvents, ...) and is easy to clean. The product can be applied directly without precedent primer on most of the mineral surfaces.

Aquafloor has been tested and approved by the Laboratory Van Vooren according to the NBN S29-002 norm (thus, use in rooms where foods are handled is possible).

Application areas: hospitals, public buildings, laboratories, industrial kitchens, workshops, dairy farms, showrooms, parking garages, food industries, stables, pharmaceutical industries.

Remark : Aquafloor is not suitable for long-lasting contact with warm tires of vehicles (parking garages). For applications in parking garages a solvent based system is always recommended (**Solfix** with **Durofloor, Polyfloor, ...**) or a solventfree system (**Polytop Satin**).

Type of binder

Epoxy resin in combination with an aliphatic modified polyamine.

Type of pigment

Colour pigments and fillers

Colour

A lot of RAL colours, made from basis A, B or C, are available. For other colours, also from other colour charts, please contact us.

Gloss

Satin 40-50 % (60° Gardner)

Technical data

- **Density:** 1.33 (\pm 0.05) g/cm³
- **Solids content:** 49 (\pm 3) % in volume
62 (\pm 3) % in weight
- **Mixing ratio:** 58 parts in weight of component A
42 parts in weight of component B
1/1 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:** 2 hours at 23°C
- **Drying times:** tackfree : 5 hours
(22°C-90 micron) dry : 11 hours
light traffic : after 2 days
frequent traffic(rolling stock) : after 5 days
recoatable : after 12 hours
- **VOC:** < 50 g/L
- **Theoretical yield:** \pm 8 m²/L for 60 micron
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.
Remark: After application of the last layer, the coating has to dry during 7 days at 20°C before the coating is charged (high pressure cleaning, temperatures < 10°C,...)

Surface preparation

The surface must be dry and clean (less than 5 % humidity at the surface). Dirt, loose particles and other contaminations must be removed. This can be done by high pressure cleaning. Curing compounds on poly concrete should always be removed by blasting. On new concrete the laitance should be removed by track blasting or by chemical etching with diluted hydrochloric acid (3 L hydrochloric acid in 10 L water). Let dry for 10 minutes and rinse thoroughly with water.

Aquafloor should not be applied on an elastic paint layer!

Use

Mixing ratio: 58 parts in weight of component A
42 parts in weight of component B

Mixing ratio in volume: 1/1

Mix the two components immediately before use and stir carefully.

Apply by roller, brush or sprayer.

The first coat must always be diluted with 10 % water. A second and third coat can be applied non diluted.

Grinding between two layers is recommended when the waiting time between the layers is more than 3 days.

Remark: deep colours can be finished with 1 layer **Durofloor** or **Aquafloor PU Clear** in order to obtain a very high scratch resistance.

Application conditions

During application and drying, the temperature must be higher than 10°C and the relative humidity should be lower than 80 %. The temperature of the surface must be minimum 3°C higher than dew point.

Storage stability

Minimum 1.5 years in the original and unopened packing stored at temperatures between 5°C and 40°C.

Safety measure

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

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.