

## PRODUCT DATA

## BIOSAN AQUA PLUS

### DESCRIPTION

Durable 2-component water dilutable epoxy coating.

### MAIN PROPERTIES

Very hard - exceptional abrasion resistance - resistant to oils and solvents. Solvent free, almost odourless and easy to clean. Contains a biocide to protect the dried coating against fungal degradation.

### RECOMMENDED USES

For the interior coating of walls and ceilings in areas where high abrasion resistance is needed.

### TECHNICAL DATA

Appearance: Semi-gloss (gloss 60°: ± 60%)  
Colour: White + mixing machine pastel colours  
Density: ± 1,45 g/cm<sup>3</sup> (mixture)  
Solids Content: In volume: 48 - 50%  
In weight: 64 - 66%  
Recommended film thickness: Wet film: ± 140 micron (consumption: 7 m<sup>2</sup>/l)  
Dry film: ± 70 micron (consumption: 7 m<sup>2</sup>/l)  
Flashpoint: Not flammable  
Surface Spread of Flame: Rated Class 0 to the UK Building Regulations (BS476 P6&7)

VOC-content: 10 g/l max.  
Ready-for-use mixture: 10 g/l max.  
Category: A/j  
EU Limit values: 140 g/l (2007) / 140 g/l (2010)

**Drying times** 20°C/50% r.h.  
To touch: 3 hours  
To recoat: 24 hours  
Full hardness: 7 days

Remarks:

- At lower temperatures (8 - 10°C), this product can only be recoated after ± 48 hours.
- Potlife after mixing base and activator: 2 hours.

### Coverage

Theoretical: ± 7 m<sup>2</sup>/l per coat  
Practical: Practical coverage depends on many factors such as porosity and roughness of the substrate and material losses during application.

### SURFACE PREPARATION

The substrate should be dry and clean, free from ascending humidity and sufficiently coherent (tensile strength min. 6 kg/cm<sup>2</sup>).

Biosan Aqua Plus can be applied directly on most mineral substrates (f.i. old concrete, tiles, glass, etc.).

Curing compounds in case of poly-concrete have to be removed by means of grit blasting. On new concrete or non-porous concrete, remove cement grout by grit blasting or treatment with Rust-Oleum Surfa Etch 108.

Porous substrates shall be impregnated with Biosan Aqua Plus diluted with 10 to 20% water. Biosan Aqua Plus may not be applied on a flexible paint coat or a moving substrate.

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### DIRECTION FOR USE

To ensure homogeneity, coating materials should be thoroughly stirred prior to use.

### APPLICATION & THINNING

Brush/roller: Dilute 1st coat with max. 10% water.  
Apply 2nd coat preferably undiluted.

Air-atomised spray: Not recommended.

Airless spray: Nozzle: 021 - 023 / Pressure: 220 bars.  
1st coat: dilute with max. 10% water.  
2nd coat: dilute with max. 5% water.

Cleanup: Water.

### APPLICATION CONDITIONS

Minimum 8°C and maximum 80% R.H.

### REMARKS

- In order to become a solid gloss finish, please respect the consumption quantities of the second layer, this means that a tin of 5 l has to be applied on a surface of approx. 35 m<sup>2</sup>.
- Always provide good air ventilation; so even when it rains, windows and doors have to be opened wherever possible.
- The 2 components must be **mixed under mechanical agitation**.
- The use of Biosan products does not exclude the necessity to clean and disinfect on a normal and regular basis.

### SAFETY

Consult Safety Data Sheet and Safety Information printed on the can.

### SHELLIFE / STORAGE CONDITIONS

2 years from date of production in unopened cans, if stored in dry, well ventilated areas, not in direct sunlight at temperatures between 5° and 35°C.

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