

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/cm³ (mixture)
Solids Content: In volume: 48 - 50%
In weight: 64 - 66%
Recommended film thickness: Wet film: ± 140 micron (consumption: 7 m²/l)
Dry film: ± 70 micron (consumption: 7 m²/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 m²/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/cm²).

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 m².
- 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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