

PRODUCT DATA

BIOSAN ULTRA

DESCRIPTION

Bactericidal 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.
Helps to maintain a hygienic environment.

RECOMMENDED USES

For the coating of floors in areas where controlled hygienic conditions are of essential importance and where high abrasion resistance is needed.

TECHNICAL DATA

Appearance:	Semi-gloss (gloss 60°: ± 50%)
Colour:	Light grey – dark grey – green – red – blue
Density:	± 1,45 g/cm ³ (mixture)
Solids Content:	In volume: 48 - 50% In weight: 64 - 66%
Recommended film thickness:	Wet film: ± 200 micron (consumption: 5 m ² /l) Dry film: ± 100 micron (consumption: 5 m ² /l)
Flashpoint:	Not flammable
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

- 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:	1st coat: 5 - 7 m ² /l 2nd coat: 4 - 5 m ² /l
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 Ultra 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.

Biosan Ultra may not be applied on a flexible paint coat or a moving substrate.

DIRECTION FOR USE

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

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APPLICATION & THINNING

Roller/Brush: 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 can of 5 l has to be applied on a surface of 20 – 25 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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