

## PRODUCT DATA

## BIOSAN ULTRA

**Andrews Coatings Ltd**  
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### 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 <sup>3</sup> (mixture)
Solids Content:	In volume: 48 - 50% In weight: 64 - 66%
Recommended film thickness:	Wet film: ± 200 micron (consumption: 5 m <sup>2</sup> /l) Dry film: ± 100 micron (consumption: 5 m <sup>2</sup> /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)

<b>Drying times</b>	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 <sup>2</sup> /l 2nd coat: 4 - 5 m <sup>2</sup> /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/cm<sup>2</sup>).

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 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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