

# BIOSAN ULTRA

## TECHNICAL DATA SHEET

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### ► DESCRIPTION

Bactericidal 2-component water dilutable epoxy coating.

### ► APPLICATION

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

### ► FEATURES

Very hard - exceptional abrasion resistance - resistant to oils and solvents.  
Solvent free, almost odourless and easy to clean.  
Helps to maintain a hygienic environment.

### ► TECHNICAL DATA

Binder	:	Base : epoxy-amine adduct Activator : bisphenol A-F resin
Finish	:	semi-gloss
Gloss (60°)	:	± 50
Colour (s)	:	light grey – dark grey – green – red – blue
Solids content (ASTM, D1644/a)	:	in volume : 48 – 50 % in weight : 64 – 66 %
Density (ASTM, D1475, 20°C)	:	± 1,45 g/cm <sup>3</sup> (mixture)
VOC-content (Volatile Organic Compounds)	:	0 g/l
Consumption	:	1 <sup>st</sup> coat : 5 – 7 m <sup>2</sup> /l 2 <sup>nd</sup> coat : 4 – 5 m <sup>2</sup> /l
Thickness wet film	:	± 200 micron (cons.: 5 m <sup>2</sup> /l)
dry film	:	± 100 micron (cons.: 5 m <sup>2</sup> /l)
Drying times	:	* dustfree : 3 hours
(for t° 20°C)	:	* recoatable : 24 hours
(for R.H. 60%)	:	* full cure : 7 days
Flashpoint (DIN53213)	:	not flammable
Miscellaneous items	:	1. At lower temperatures (8 – 10°C), this product can only be recoated after ± 48 hours. 2. Potlife after mixing base and activator : 2 hours.

## ► INSTRUCTIONS FOR USE

Ambient conditions	:	minimum 8°C and maximum 80 % R.H.
Dilution	:	water
Cleaning tools	:	water
Airless	:	Nozzle : 021 - 023                      Pressure : 220 bars 1 <sup>st</sup> coat : dilute with 10 % water 2 <sup>nd</sup> coat : dilute with max. 5 % water
Conventional spray-gun	:	no
Brush	:	possible
Roller	:	Dilute 1 <sup>st</sup> coat with max. 10 % water. Apply 2 <sup>nd</sup> coat with max. 5 % water.
Particulars	:	<ol style="list-style-type: none"><li>1. 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>.</li><li>2. Always provide a good air ventilation; so even when it rains, windows and doors have to be opened wherever possible.</li><li>3. The 2 components must be mixed <b><u>under mechanical agitation</u></b>.</li><li>4. The use of Biosan products does not exclude the necessity to clean and disinfect on a normal and regular basis.</li></ol>

## ► PREPARATION OF THE SUBSTRATE

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.

## ► ADDITIONAL INFORMATION

Transport codes	:	see MSDS
Packing	:	5 l
Storage stability	:	At least 24 months, provided the original tin is properly sealed and kept in a cool, dry and frostfree place.
AFNOR Classification	:	Group I, class 9g

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*"As for the precautions of use, hygiene and safety, please consult our Material Safety Data Sheets - available on request at our Technical Service".*