

SISTEC – ST 011WS

Antibacterial Indoor paint

Product code SIS ST 00 011WS Version/Date 12.05.2016

TECHNICAL DATA

Use of the substance/mixture:	coating
Density	1,39 g/cm ³
Wet abrasion class	Class 2, corresponds to scrub-resistant in accordance to DIN 53778)
Kontrastverhältnis	Class 1 (in accordance to DIN EN 13300)
Material consumption	125 ml/m ²
Gloss degree	Dull mat (in accordance to DIN EN 13300)

INHALTSSTOFFE

Product code/GISCODE	M-DF01
Preservative	contain
VOC by RL 2004/42/EG	0 % < 1 g/l
VOC- by LEED [less water]	< 1 g/l
Solvent and plasticizer free in accordance to VdL- RL 01	yes
Water diluteble in accordance to 2004/42/EG (Decopaint)	yes
Lead, Cadmium, Chrom VI * (* no formulation component)	not included

ENVIRONMENTAL CERTIFICATES

TüV/WKI	YES
In accordance to VOC regulations	RAL-UZ 102

BUILDING CERTIFICATIONS

In accordance to DGNB Criterion ENV 1.2 (2012) "Risks for the Local Environment"

No.	Area of application	Product type	QS 1	QS 2	QS 3	QS 4
2	Liquid coatings on mainly mineral substrates such as concrete, masonry, mortar, putty, plaster, wallpaper, fabric, plaster boards. Soil surfaces and infrastructures such as underground garages, driveways etc. are not considered.	decorative colors, decorative putties, dust-binding coatings, floor coatings without special resistance requirements, concrete protective coatings.	Yes	Yes	Yes	Yes
27	Factory-coated components such as Facade elements, doors, radiators etc. hot-dip galvanizing are not considered as coatings for the purposes of this criterion.	Primer and top coat (for example, paints, coatings)	Yes	Yes	Yes	Yes

Suitability for use according to LEED

Category (IEQ4.2 - 2009)	flat topcoat
VOC-Limit	50 g/l
Limit fulfilled	yes
Category (IEQ4.2 - 2009)	flat topcoat with colorant added at the point of sale
VOC-Limit	100 g/l
Limit fulfilled	yes

Recycling content

Not included

Origin

Germany

DISINFECTANT RESISTANCE

Testing standard

Examination of disinfectant resistance in accordance to RMI 206:2007-09

Used disinfectants

Product	Concentration	Active substance
Amocid®	5 % dilution	Phenol
Chloramin T Trihydrad	2,5 % dilution	Organic chlorine compound
Dismozon® pur	4 % dilution	Per compound
Incidur® Spray	Undiluted solution	Alcohol
Buraton® 10F	1 % dilution	Aldehydes
Microbac® forte	2,5 % dilution	Amines

Testing method

The coated test strips were moistened with the disinfectant. The coating was then loaded with a cellulose sponge (likewise impregnated with the disinfectant) with 40 cycles to simulate the cleaning. After the disinfectant dry off, there was no

cleaning. There were only used effective disinfectants certified by the DGHM (German Society for Hygiene and Microbiology).

Results

The changes in the surfaces (hardness, structure, color, gloss) were evaluated according to DIN EN ISO 4628-1, Table 3, the evaluation of the intensity of changes to the following characteristics was made:

Tested with	Parameter	Intensity of change
Water	1	Very small changes
Amocid®	1	Very small changes
Chloramin T Trihydrad	1	Very small changes
Dismozon® pur	1	Very small changes
Incidur® Spray	3	Medium changes
Buraton® 10F	1	Very small changes
Microbac® forte	1	Very small changes

* Amine-containing cleaners may affect the antibacterial effect of micro silver.

Evaluation of results

Parameter	Intensity of change
0	Not changed, i.e., no perceptible change
1	Very low, i.e. just perceptible change
2	Low, i.e. clearly perceptible change
3	Medium, i.e. very clearly perceptible change
4	Strong, that marked change
5	Very strong change

Summary

Opposite the disinfectants Amocid®, Chloramine T trihydrate, Dismozon® pure Buraton® 10F and Micro-Bac® forte coating SISTEC ST 011WS is classified as resistant. Amine-containing cleaners may affect the antibacterial effect of micro silver.

Opposite Incidur® Spray SISTEC ST 011WS is not resistant.

Sustainability data sheet

This data sheet was compiled based on the latest state of the art and our experience. With regard to the different requirements of building certifications the buyer / user is not relieved from its obligation to test our review on their own responsibility for their suitability for the proposed certification system and its requirements. Validity of this sheet only in its most recent version, and in conjunction with the latest technical information and safety data sheet. Please refer to the latest versions of all data sheets on our website.