



## COATING + SEALANT = BIO-SECURITY COMPLETE

*"Our food manufacturing plant has chosen the MSP2.0 sealant. It's durability, even in our harsh cleaning environment, has outperformed any other caulk.*

*And the protection of it's dry film be specific biocides against both harmful mould and bacteria has proven invaluable. And the ISEGA certification shows that we can specify it in our setting. Yes, we are willing to be your reference."*



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# ABOUT INDUCOAT®

## Antibacterial coating. Because it prevents.

Inducoat® has an international client base which specify our anti-microbial coatings. BRC-8, HACCP, ISO - the starting point is quality assurance. Our Inducoat® Bacteria has an unique feature: it is the only (!) coating with an authorized anti-bacterial claim in The Netherlands. This authorization is an unequivocal asset for quality assurance managers and architects: the absolute highest standard with regards to independent proof of efficacy and safety the Dutch Board of Biocides.

Additional, the Inducoat® Bacteria coating offers a range of solid results - from independent test laboratories to (most importantly) practice based evidence.

## Exclusive focus on harmful micro-organisms

Specialist Inducoat® is the only coatings manufacturer with an exclusive focus on hygiene coatings. Our coatings are truly formulated and every coating has the appropriate certifications. Since 2007 our coatings offer 24/7 protection against harmful bacteria like Listeria, E.Coli, Salmonella, MRSA, VRE etcetera.

## Specialist power

Inducoat® has its headquarters in Amersfoort, The Netherlands. Our founder was Mr Ronald Frankhuizen, the international acclaimed coatings technology expert, who realised that smart coatings, and especially anti-microbial coatings, add value to the essential bio-security. After more than a decade, Inducoat® has become the market leader in this field. We produce at several European toll manufacturing sites and offer solid technical advice, training en commercial support.

## Contact details

Please be very welcome to contact Inducoat® directly on

Info@inducoat.com  
+0031 (0) 33 456 23 94



Inducoat® is not only the only authorized anti-bacterial coating manufacturer in The Netherlands, it also has the market leading anti-mould system

authorization #  
136 20N

# INDUCOAT®

Leader in surface hygiene

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## Disclaimer

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# INDUCOAT®

## Anti-bacterial coatings

Professional anti-bacterial wall coating

INCLUDING  
UNIQUE  
ADMISSIONS  
NUMBER



Het enige systeem met  
officiële CTGB toelatingsnummers

Maakt deel uit van de reeks Inducoat  
Antimicrobiële Verfsystemen:

Onderdeel 1 Inducoat® Schimmelwerend Verfsysteem  
Onderdeel 2 Inducoat® Algenwerend Verfsysteem  
Onderdeel 3 Inducoat® Bacteriewerend Verfsysteem



# Bacteria



## Relevance of Inducoat® Bacteria

When one decides to paint, pose the question: to protect or not to protect against bacteria. In environments where hygiene is the professional priority, the answer is easy: 24/7 elimination of harmful bacteria, like salmonella, listeria, e.coli, MRSA, is a "no brainer". The second line of defense, in addition to cleaning protocols, is without any doubt relevant.

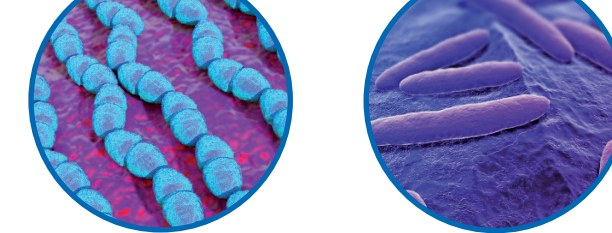
## Credibility of Inducoat® Bacteria

Inducoat® Bacteria is the ONLY coating which is authorized to make this claim by the Dutch authorities. This authorization is based on the strictest of international regulations; both EU as well as Dutch. It serves a clear and simple purpose: to offer a clear criterion to base your choice on. In Holland, without authorization, no active anti-bacterial claim.

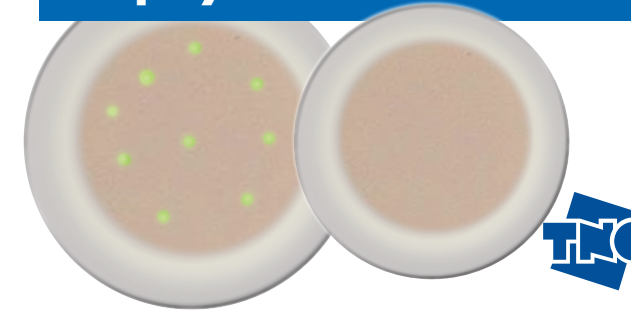
## Authorization = distinctive

The authorization number on our tin allows Inducoat® to make the active, anti-bacterial claim. This authorization is based on a thorough assessment process by the Dutch Biocide Board. Only if the outcome of this long-term process is that the coating has proven its anti-bacterial efficacy by several independent laboratories AND has offered proof of its safety for humans and our environment, the authorization number is granted. This goes well beyond any other international standard, and today, it sets the international standard.

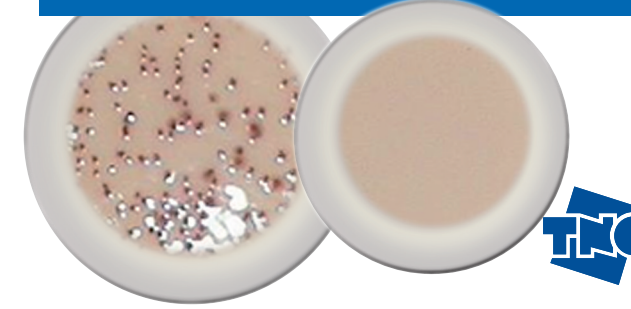
Obviously, Inducoat offers all other relevant test certificates as well and is proud to be specified by multi-national customers, who have assessed the anti-bacterial performance in their own long-term quality assurance evaluations.



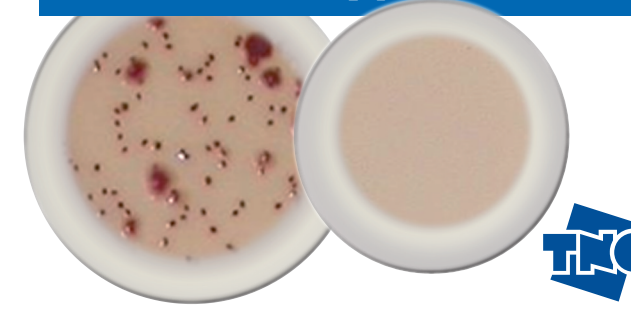
## Staphylococcus Aureus



## Escherichia Coli



## Salmonella Typhimurium



## Invitation

### Inducoat Seminars

Every week, somewhere in the World, we organize seminars to educate professionals about the latest generation of Dutch Hygiene Coatings. Want to attend? Drop us an e-mail! [Info@Inducoat.com](mailto:Info@Inducoat.com)



# INDUCOAT® BACTERIA

## Anti-bacterial coating

Inducoat® BACTERIA is a high-solids waterbased styrene acrylic co-polymer coating with an anti-bacterial formulation. The anti-bacterial technology is based on the Inducoat® Slow Release Technology. This offers protection against a broad spectrum of gram-negative bacteria, like Escherichia coli (E Coli), Clostridium, Klebsiella pneumonia, Listeria, Methicillin-resistant Staphylococcus aureus (MRSA), Salmonella.

Bacteria which have antimicrobial resistance (AMR) and/or antibiotic resistance (AR or ABR) and/or multi-drug resistant (MDR) microbes and even total-drug resistant bacteria (TDR or "superbugs") are eliminated on surfaces protected by Inducoat® Bacteria. This is proven by the Dutch Authorization Board, ISO, TNO and our customers.

Inducoat® BACTERIA is a high quality wall coating which is used indoors on mineral substrates like masonry, concrete, gypsum, wallpaper. The application is easy: with brush, roller or spray gun. Available in all RAL-colours. Suitable for high cleaning protocol.



# Technical data

Appearance	Flat
Colour	White
Spec. mass	1.45 kg/L
Solids contents	60 % by weight 44 % by volume
Viscosity	100-150 P (Brookfield 20 Rpm)
Recommended wet film thickness	90 microns
corresponds with Theoretical coverage	40 microns dry 11 m <sup>2</sup> /L at 40 microns dry.
Practical coverage approx.	10 m <sup>2</sup> /L depending on application method as well as roughness and porosity of the substrate.
Drying times at	20C and 50 % relativehumidity
Tack free	1 hour
Recoatable	4 hours
Full hardness	3 days
Heat resistance	90C (dry heat)
VOC contents	max. 30 g/L

## Surface preparation

New concrete, plaster or brick surfaces should cure and dry for at least 30 days prior to application of the coating. When applying to new brickwork remove any cement rests or residues using a wire brush. Surface defects should be repaired. Remove oil, grease and other surface contaminants by high pressure- (steam) cleaning, combined with appropriate detergents. Remove old, deteriorated coatings by scraping, wire brushing or using high pressure (steam) cleaning. Remove mould or mildew by additional cleaning with Inducoat Cleaner.

## Safety

Consult the Label text and the Material Safety Data Sheet. The data herein are given in good faith and based on practical experience and testing. Upon appearance of a new sheet, this version becomes obsolete. No responsibility based on the data given can be assumed, because application and conditions are beyond our control.

On porous or chalking substrates a coat of InduFIX Impregnating primer should be applied before application of the Inducoat FUNGI. Before the application of the coating the surface has to be clean. A slight dampness of the substrate is acceptable.

## Directions for use

Mix the paint before use till fully homogeneous. Thinning and application Brush: Up to 5 % vol. water. Use brushes suited for water dilutable products (blend of synthetic and natural bristles). Roller: Up to 5 % vol.water. Acrylic or polyester (8-12 mm) rollers. For textured surfaces long nap (14-16 mm) rollers. Airless Nozzle 013-018, avoid thinning with water. Cleaning of the equipment. Soap and (warm) water. Clean immediately.

## Conditions

Temperature of coating, substrate and air between 5 en 35C, relative humidity < 80%. Temperature of substrate at least 5C above the dew point.

## Remarks

Dry film thickness not over 90 microns. (190 microns wet)

## Storage stability

At least 3 years from manufacturing date in unopened, original cans. Keep from freezing, and direct sunlight at temperatures between 5 and 35 C.

# INDUCOAT® MSP2.0

## Sealant

The Inducoat® MSP2.0 combines the advantages of silicone and polyurethane, without the disadvantages of these technologies. The MS Polymer® technology is developed by KANEKA® from Japan. It is formulated to caulk joints which require both durability as well as hygiene - from sandwichpanels in the Food&Beverage Industry to your bathroom.

## The features & benefits

- Longterm UV resistance
- 100% solids (no isocyanides) so very hard & smooth
- Excellent adhesion on moist surfaces
- No shrinkage after drying (100% solids, no VOC's, no water)
- No staining (free from silicone-oil)
- Limited dirt adhesion (dust)
- Paintable

## Incentive?

- **Longer maintenance cycle (outperforms any silicone)**

## Cleaner

- **Dry film protected against harmful microbes by using specific biocides**
- ISEGA-certificate



# Technical data

Base	MS Polymer
Consistency	Stable paste
Curing System	Moisture cure
Skin Formation	Approx. 20 min (20°C/65% R.H.) 2 mm/24 h (20°C/65% R.H.)
Curing Rate	35 +/- 5 Shore A
Hardness	none
Shrinkage	none
Specific Gravity	1.67
Temperature Resistance	-40°C until +100°C
Elongation at Break	300% (DIN 53504)
Elasticity Modulus 100%	0.73 N/mm <sup>2</sup> (DIN 53504)
Elastical Recovery	>75 %
Breaking strength	1.28 N/mm <sup>2</sup> (DIN 53504)

## Applications

- Sanitary and kitchen areas – resists mould growth
- Hygiene areas – resists bacteria growth
- Structural bonding in vibrating constructions
- Sealing of floor joints
- Paneling applications
- It has good resistance to chemical agents, water, aliphatic solvents mineral oils, grease, diluted inorganic acids and alkalis
- It has poor resistance to aromatic solvents, concentrated acids, chlorinated hydrocarbons
- Excellent UV resistance
- Non staining- Non staining qualities
- No-static charge to attract dust particles
- No need of a primer
- Treated article – the dry film of the sealant resists the growth of harmful mold and bacteria due to the addition of appropriate (safe) biocides

**Colours** White. Other colours on request

**Packaging** 290ml thick wall cartridge, 600ml foil pack on request

**Shelf Life** 12 months in unopened packaging in a dry and cool storage place at temperatures between + 5°C and + 25°C

## Instructions for use

Surface preparation Clean, dry, free of dust and grease. We recommend preliminary adhesion tests.  
Application Method Manual or pneumatic caulking gun  
Application Temperature +1°C until +30°C  
Tool with Soapy solution before skin formation

**SAFETY MEASURES** Apply the usual industrial hygiene

**REMARK** Inducoat MSP2.0 can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, polycarbonate etcetera may differ from manufacturer to manufacturer, we recommend preliminary compatibility tests.

## Safety

Consult the Label text and the Material Safety Data Sheet. The data herein are given in good faith and based on practical experience and testing. Upon appearance of a new sheet, this version becomes obsolete. No responsibility based on the data given can be assumed, because application and conditions are beyond our control.