

Made in Holland.
Experts in Windmills, Wooden Clogs, Bicycles and Anti-bacterial Coatings

The Dutch anti-bacterial coating specialist

The primary focus of Inducoat is manufacturing and supplying proven and cost effective anti-microbial coating systems. Inducoat has been delivering this promise for over a decade – winning the recognition of being the preferred supplier of hygiene coatings to leading Dutch maintenance engineers and coating professionals. Inducoat is also the ONLY anti-bacterial coatings manufacturer to receive a CTGB number accreditation by the Dutch Board for the Authorisation of Plant Protection Products and Biocides. The numbers recognise and unequivocally prove that Inducoat anti-bacterial coating is safe and fully effective and that Inducoat manufacturing fully complies to the strictest international regulations, ranging from REACH to ISO9001.

References

Inducoat BV was one of the Dutch innovators with regards to its exclusive focus on hygiene coatings and anti-bacterial coatings in particular. This was acknowledged by leading companies and institutes which regards hygiene to be their top-priority – since 2008 they specify the Inducoat anti-bacterial coatings and monitor its performance. This offers a unique practice based validation of the anti-bacterial coating – in addition to all the strictest test certificates a vital part of our success.

Many of these clients use the 5S model, in which the last decade was used to measure the actual **S**hine / hygiene improvement using Inducoat coatings. Based on the proven added value, Inducoat is working hard to help **S**tandardize the maintenance systems and improve the **S**ustainability. In The Netherlands, clients like CARGILL (Wormerveer) and ABBOTT (Zwolle) have been great references to show that the quality of a leader is reflected in the standards they set for themselves. If you are painting anyway, do it with proven added value of anti-bacterial protection.

Practical

In The Netherlands, we like to keep things practical. Specifying Inducoat anti-bacterial will have no impact on budget, timing or team. We keep it simple, safe and sustainable. In many countries, we have local distributors who can offer "local-for-local" support – ranging from on-time delivery, to technical support to ... you name it. Just drop an email to info@inducoat.com for more information.



INDUCOAT®

Leader in **surface** hygiene

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INDUCOAT®

Anti-bacterial Coating

Dutch approach to anti-bacterial coatings



The first and only system authorized by the Dutch Board for the Authorization of Plant Protection Products and Biocides

Part 1 Anti-mould system
Part 2 Anti-bacterial system
Part 3 Anti-Algae system



Bacteria



Why take bacteria seriously?

Bacteria have existed from very early in the history of life on Earth. Dutchman van Leeuwenhoek, first observed bacteria through his single-lens microscope in 1674.

Dr Robert Koch's won the Nobel Prize in 1905 for proving that bacteria can cause disease. When antibiotics came into use, the majority of pathogenic (harmful) bacteria were sensitive to them. Since then, however, bacterial resistance to one or more antibiotics has increased to the point that previously effective antibiotics are no longer useful against a fast growing population of harmful bacteria. There is now a vast array of bacterial species which need to be eliminated using every piece of the hygiene puzzle – this prompted the emergence of anti-bacterial coatings.

Why the latest generation of anti-bacterial coatings

Factors such as the increasing number of hospital-acquired infection (HAI) cases are encouraging greater use of anti-bacterial coatings. Their primary added value is to help stop the spread of pathogens that can cause disease. This is especially important in settings which have hygiene as their top priority. Also, the coatings have the potential to meaningfully lower the environmental impact of cleaning, where scores of different cleaning chemicals are used. If surfaces do not need as thorough a cleaning to prevent the spread of disease, they reduce the amount of cleaning time—and therefore, cost—necessary to maintain facilities.

Which anti-bacterial coating technology?

Antibacterial Inducoat coatings are rapidly emerging as a primary component of the global mitigation strategy of bacterial pathogens. Thanks to recent advances in materials science and biotechnology methodologies, and a growing understanding of environmental microbiology, an extensive variety of coating options is now available to design surfaces with Inducoat antibacterial properties. Especially encapsulated or "slow release" antibacterial Inducoat coating technology is used in the latest generation of these coatings. These have controlled release of an effective broad-spectrum of antibacterial agents (non-leaching), imparting multi-functionality, and enhancing long-term stability. This Inducoat Slow Release system has been evaluated and approved by the Dutch government as being "safe and effective".

Why choose Inducoat Bacteria?

Many coatings technicians are able to create anti-bacterial coatings, often by simply adding an antimicrobial agent. They claim to be innovative and compliant. Does their claim suffice? Especially now that antimicrobial coatings industry has been growing so rapidly and yet so quietly, it is possible that many specifiers, contractors, applicators and other professionals are unaware of just how important this assurance is. In Holland, the government has taken the strictest route to offering the public assurance that these coatings deliver on their promise, safe for humans and the environment. Only anti-bacterial coatings which have been submitted to the strictest of lab tests, data disclosure and practice based evidence, are allowed to make an active, anti-bacterial, claim. On their tin, they have a unique authorization number, proving this compliance. In The Netherlands, Inducoat is the first and only coatings manufacturer to have such an authorization number for its Inducoat BACTERIA product. Proven.

Staphylococcus Aureus



Escherichia Coli



Salmonella Typhimurium



INDUCOAT® BACTERIA

Description

Inducoat Bacteria is a water dilutable product based on a styrene acrylic copolymer. This product has been formulated with specific biocides assuring a long term bacteria resistance, for application on walls and ceilings. It has a unique authorization number 13819 N provided by the Board for the Authorisation of Plant Protection Products and Biocides.



relatingsnummer
13819N

Recommended uses

Inducoat Bacteria should be used for interior applications on mineral substrates like new and old masonry, plaster, concrete and brickwork, that are exposed to conditions which favor the development and growth of mould. Inducoat Bacteria can be applied with brush, roller or by airless spray.

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	40 microns dry
Theoretical coverage	11 m ² /L at 40 microns dry.
Practical coverage approx.	10 m ² /L depending on application method as well as roughness and porosity of the substrate.
Drying times at	20°C and 50% relativehumidity
Tack free	1 hour
Recoatable	4 hours
Full hardness	3 days
Heat resistance	90°C (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.

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 Bacteria. 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 coating 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 35°C, relative humidity < 80%. Temperature of substrate at least 5°C 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.