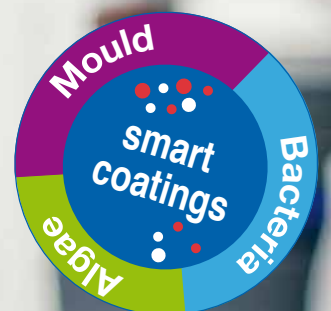


INDUCOAT®

Leader in **surface** hygiene

PRODUCT RANGE for coating professionals





Your bio-security, our support

Hygiene affects all actions that ensure that humans and animals remain healthy. Hygiene is about awareness. The focus is on preventive measures. Since Covid-19, the importance of all aspects of hygiene is made very clear... Inducoat B.V. offers the second line of defence: anti-bacterial and / or anti-fungal coatings. A major challenge, in which harmful micro-organisms pose a broad spectrum of problems. With regards to the bio-security in your area: which micro-organism poses the greatest risk? Bacteria? Mould?

Based on your Risk Inventarisation and Evaluation, the Inducoat Triangle is a practical and effective approach to improving the bio-security. The cooperation between the quality assurance department (QA), cleaning department/firm and our coatings specialists offers a clear "why/what/how". Not just a one off, but also ensuring standardization and sustainability.

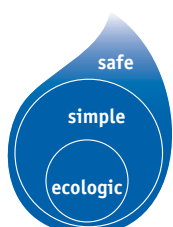
The product range of Inducoat B.V. offers a solution for 3 types of micro-organisms: for mould "the purple line", for bacteria "the blue line" and for algae "the green line". Within each product line, there are 3 options: active protection ("anti"), the protection of the dry film against contamination ("treated") or a mechanical obstacle ("mechanical adhesion"). That is the Inducoat 3x3 system.

Inducoat B.V. has solid international references. From leading landlords to the food industry. From hospitality to hospital. Cross-industry learning delivers profit: practice-based evidence. From cost savings to fewer complaints. From audit to customer appreciation.

To conclude: why Inducoat B.V.? We want to help protect the weak and the vulnerable from dangerous micro-organisms. We want to help reduce food contamination by invisible micro-organisms. We want to improve your bio-security in a simple, safe and ecologic way. How? By offering trusted coatings in an anti-microbial formula. What? Smart coatings. Because if you want to coat, do it with added value. Inducoat.

Your sincerely,
INDUCOAT B.V.

Michael Frankhuizen
Managing Director

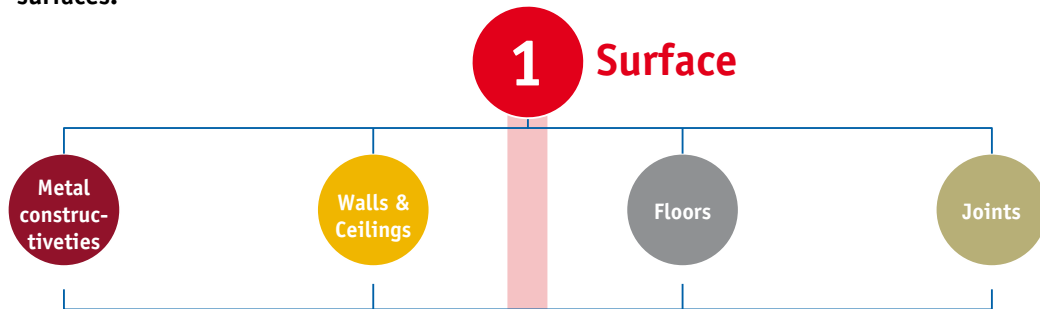


INDUCOAT
Leader in surface hygiene

From risk analysis to the right coating

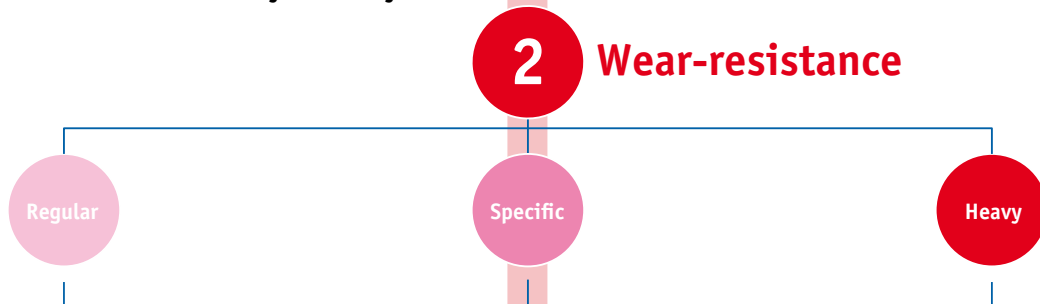
1 Select your surface

The systems focuses on protecting various types surfaces:



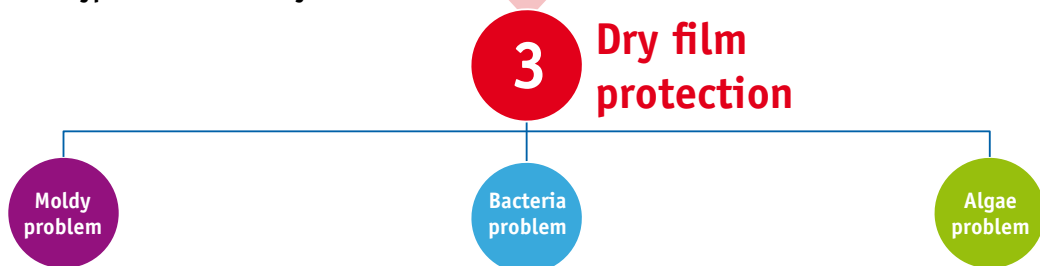
2 Choose your durability

Depending on mechanical and chemical circumstances choose your life cycle



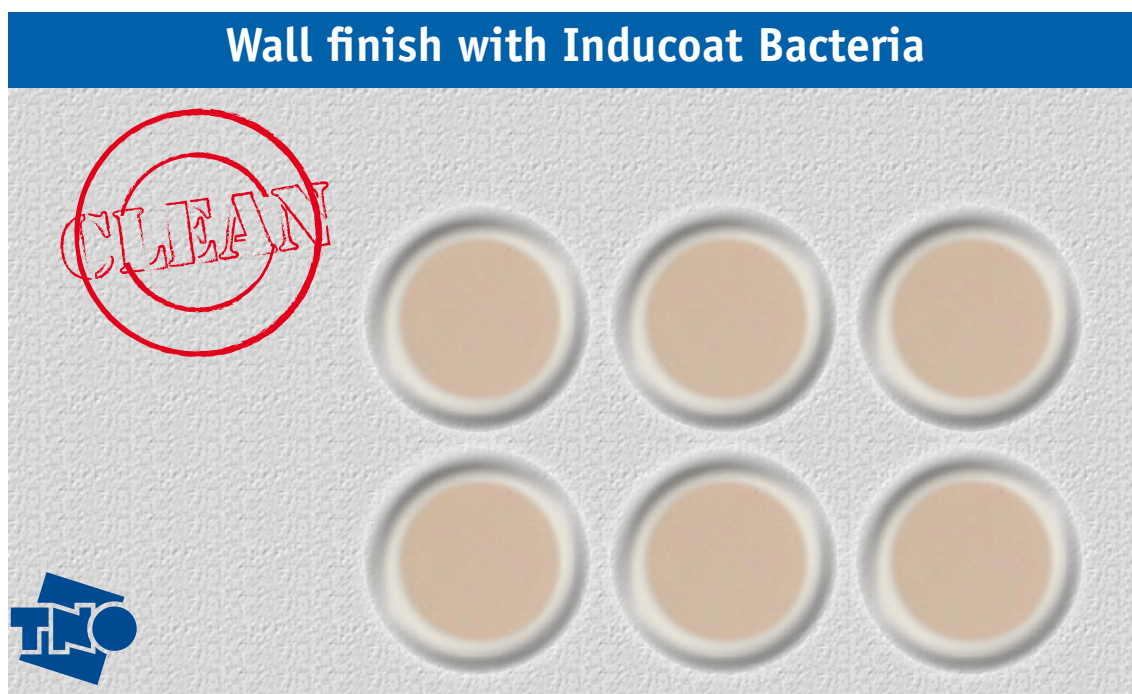
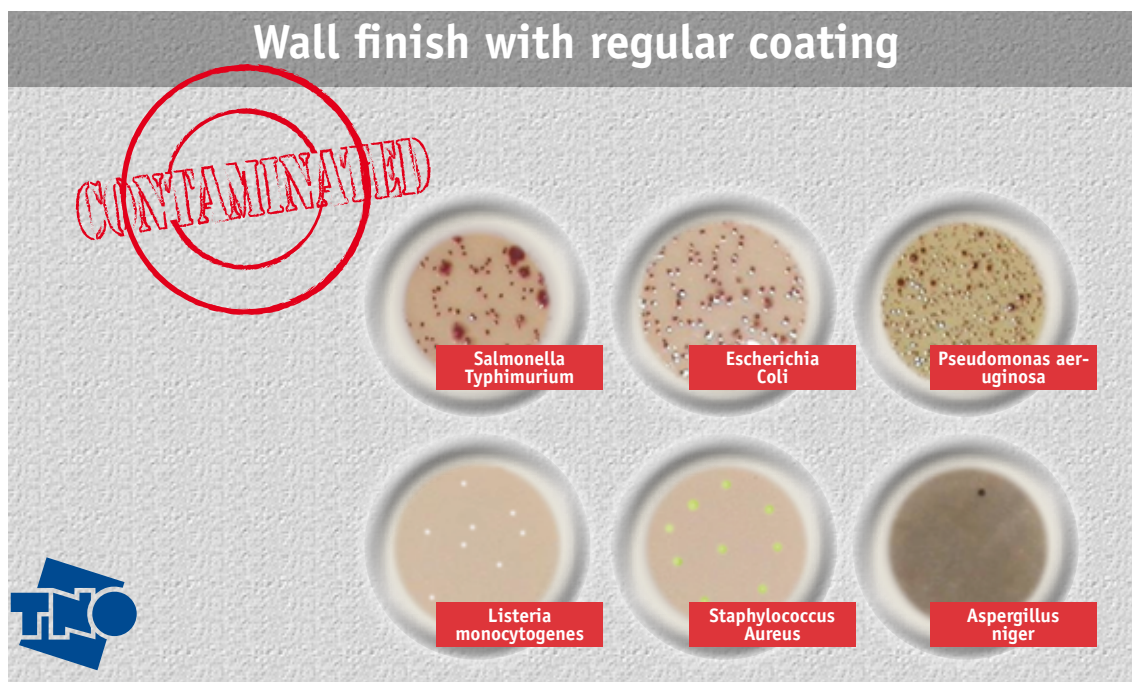
3 Choose your protection

Three lines,
Three types of bio-security



Extra protection of the dry coating film

Each Inducoat coating has independent test certificates. Because "see = believe", pictures below. These were made by the laboratory of TNO Quality of Life during their "Seed Layer Test". The Inducoat Bacteria (bottom test surface) repels harmful microorganisms, the regular coating (top test surface) offers no protection.



References since 2007



Name: ABBOTT ZWOLLE

Ensuring safe ingredients and process quality. A fundamental focus of ABBOTT is to ensure that the products are safe and effective and that they deliver the intended benefits (source: ABBOTT, 2020)

Since: 2009

Subject: Inducoat Bacteria

Reason: Prevention of unwanted bacteria

Unwanted bacteria type:

Escherichia Coli, Listeria, Salmonella

Result:

QA/ABBOTT measurements show a relevant reduction in bacterial growth over the period of >8 years.



Name: UMMELS / HOSPITAL

Leo Ummels is one of the leading infection prevention professionals in the Netherlands. He worked at international hospitals as a prevention specialist and / or advisor. During his period at the UMC St Radboud Hospital in Nijmegen, Leo tested the added value and effect of Inducoat. The outcome was positive.

Since: 2009

Subject: Inducoat Bacteria and Fungi

Reason: Prevention of unwanted bacteria or mould in hospital ward, such as meticillin resistance Staphylococcus aureus, vancomycin resistant enterococcus, ESBL (Extended-Spectrum Beta-Lactamase) and CPE (and Carbapenemase Producing Enterobacteria)

Result:

Mr Ummels measurements show a important reduction in bacterial growth over the period of > 2 years.



Name: CARGILL CACAO

CARGILL combines in-depth knowledge in the field of cocoa with extensive food safety expertise.

Since: 2010

Subject: Inducoat Bacteria

Reason: Prevention of unwanted bacteria / GMP

Undesirable bacteria type:

Escherichia Coli, Listeria, Salmonella, Bacillus cereus, Micrococcus acidophilus, Staphylococcus aureus, Bacillus subtilis, Bacillus macerans

Result:

CARGILL measurements show a significant reduction in bacterial growth over the period of > 8 years.



Name: BAKKERSLAND ROTTERDAM

Although a strict application of hygiene rules in the bakery can keep recontamination to a minimum, it is extremely difficult to avoid contamination for 100% and mould-resistant ceiling and wall finishes have been chosen by BAKKERSLAND R'Dam.

Since: 2011

Subject: Inducoat Fungi

Result:

BAKKERSLAND has outperformed any other mould situation hitting the highest standard of BRC-7/8.

Sustainable



Ecologic

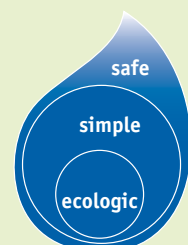
- HorsemenCare even 100% natural
- Always water-based
- CTGB authorization (highest safety for people & the environment)

Smart

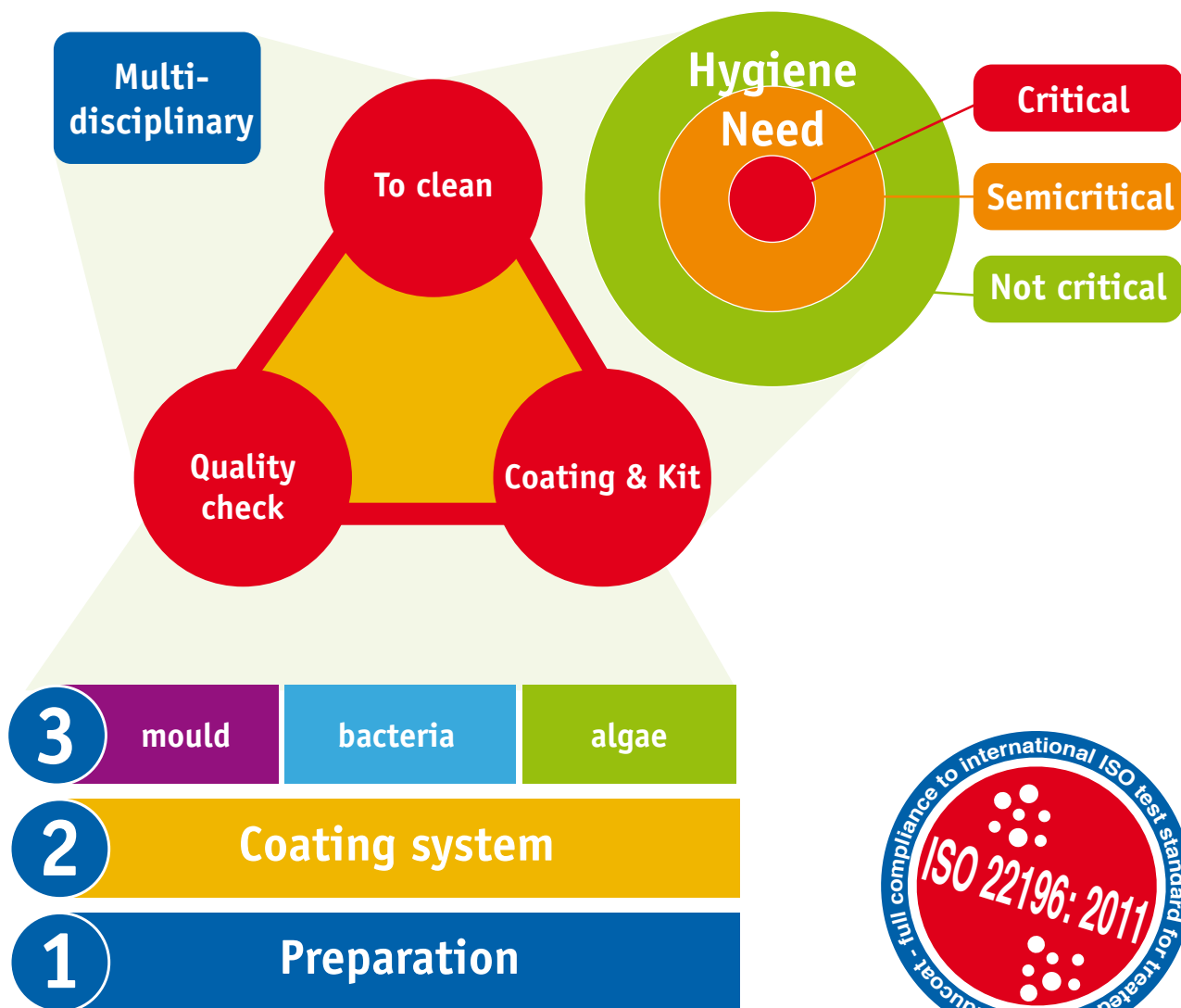
- 1-layer systems (labour saver)
- Direct-to-rust (primer and finish in 1 - material saver)
- Faster cleaning (time saver)

Proven

- Fair and complete Product and Safety Data Sheets
- CTGB Authorization (where and if applicable)
- Practice based evidence



The Inducoat Triangle



Evidence



Blue Line: ISO

ISO 22.196: 2011 certificate = the dry film is 99.8% protected against the growth of harmful bacteria such as: Escherichia Coli, Enterococcus faecalis, Klebsiella Pneumoniae, Methilicin-resistant Staphylococcus aureus (MRSA), Pseudomonas aeruginosa, Salmonella Enteritis.



Purple Line: Practice based Evidence

Aspergillus niger DSM 1957, Penicillium funiculosum DSM 1944, Paecilomyces variotii DSM 1961, Gliocladium virens DSM 1963 an Chaetomium globosum DSM 1962.





Authorization
number
12981N

INDUCOAT® CLEANER

Inducoat® CLEANER is a transparent water-dilutable mould eliminator that serves as pre-treatment for the Inducoat® FUNGI anti-mould coating.

The Inducoat® CLEANER is biodegradable. The Cleaner does not bleach (black mould is not bleached).

The Inducoat® Cleaner is based on a quaternary ammonium compound. The cleaner was assessed by the Board for Plant Protection and Biocides (CTGB) in Wageningen. This independent government body states about the Inducoat® CLEANER:

- Safe for people and the environment
- Effective against mould
- Low odor (no heavy chlorine smell)

Inducoat® CLEANER is used for indoor applications with mineral surfaces, such as new and existing masonry, plaster, concrete, grow unwanted mould.

After application of the Inducoat® CLEANER, the Inducoat® FUNGI can be applied.



INDUCOAT® FUNGI

Inducoat® FUNGI anti-mould wall paint is a water-dilutable coating specially developed for long-term mould protection.

The coating is a styrene-acrylate co-polymer. The formula has been developed to provide long-term mould protection.

The coating has been assessed by the Board for Plant Protection and Biocidal Products (CTGB) from Wageningen. This independent government body states about the Inducoat® FUNGI:

- Safe for people and the environment
- Actually effective against mould
- Authorized active claim (real defense)

Inducoat® FUNGI is used for indoor applications with mineral surfaces such as new and existing masonry, plaster, concrete, grow unwanted mould.

From bakery to hospital - from bathroom to production area.



Authorization
number
13620N

1.

Eliminate mould
with Inducoat®
CLEANER



Sometimes...

Dead mould
remnants brush off *

* depending on the degree of pollution.



2.

Anti-mould
painting with
Inducoat® FUNGI





INDUCOAT® MSP2.0

De Inducoat® MSP2.0 - an advanced sealant that combines the advantages of silicone and polyurethane sealants - without the disadvantages of these techniques. The MSP2.0 stands for MS Polymer®, a technique developed by KANEKA® from Japan. The application of the MSP2.0 focuses on sealant joints that must be durable; such as in bathrooms, kitchens, sandwich panels or construction parts (steel, concrete).

Why choose the MSP2.0 as a sealant?

- Long-term UV resistance
- No bubble formation due to lack of reaction with moisture: 100% solids (no isocyanide)
- Good adhesion on damp surfaces
- No shrinkage after application (100% solid, no solvents, no water)
- No color bleed / staining (free from silicone oil)
- Very low dirt adhesion (dust)
- Paintable

What added value for your bio-security?

- The dry film* is additionally protected by the formulation of specific biocides against both mould as well as bacteria. These biocides are listed in the safety data sheet.

* This sealant does not make an active claim - it is different from our coatings.

- The sealant has proven itself in challenging practice - from laboratory to bathroom, from meat processing to kitchen
- ISEGA certificate FOOD SAFE



HYDROPOX

PRODUCT DESCRIPTION:

A water-dilutable 2-component epoxy coating. Simple application. Suitable as a floor coating for environments with a regular (floor) usage load. The Purple Line Version contains biocides to protect the dry film against mould.

CHARACTERISTICS: Good wear resistance. Easy to clean. Resistant to solvents, oils, petrol.

SUBSTRATES: Specially developed for garages, car parks, workshop floors, distribution and shopping centers.



ELASTOMUR

PRODUCT DESCRIPTION:

Water-based, one-component, waterproof and elastic paint based on acrylic resins. Up to 300% elasticity. Apply like a regular acrylic. Achieve a high layer thickness in one coat. The Purple Line version contains biocides to protect the dry film against mould.

FEATURES: Particularly elastic system. Waterproof. Permeable to vapor and breathable. Suitable for heavy hygiene protocols (frequency and material).

SUBSTRATES: New and old masonry, cement, concrete.

Purple Line



1K

PRODUCT DESCRIPTION:

One-component polyurethane. Waterborne based on acrylic and polyurethane dispersions. Transparent and in RAL-color. Universal application: from walls to steel structures. The Purple Line version contains biocides to protect the dry film against mould.

FEATURES: Easy one-component application. Good chemical resistance. Hardness. Excellent solvent resistance.

SUBSTRATES: From bricks, concrete, wood, parquet to concrete.



2K

PRODUCT DESCRIPTION:

Very high-quality water-based, two-component aliphatic polyurethane. Suitable as a coating for environments with a heavy usage. The Purple Line version contains biocides to protect the dry film against mould.

FEATURES: Very hard. Excellent chemical resistance. Excellent resistance to mechanical duty and solvents. Suitable for heavy hygiene protocols (frequency and material). Non-yellowing.

SUBSTRATES: Various floor surfaces, walls, steel.



METALUNICOAT

PRODUCT DESCRIPTION:

Water-based anti-corrosive coating that is both primer and finish in one. Suitable to protect steel structures up to corrosion level C3. Based on styrene acrylate copolymers and zinc phosphate. The Purple Line version contains biocides to protect the dry film against mould.

CHARACTERISTICS: Provides a solid anti-corrosion protection. Excellent adhesion to steel.

SUBSTRATES: Steel structures.





ANTI-BACTERIAL COATING

Inducoat® BACTERIA is a high-solids, water-based, styrene acrylate co-polymer that is formulated to eliminate harmful bacteria - e.g. Escherichia coli (E Coli), Clostridium, Klebsiella pneumonia, Listeria, Methicillin-resistant Staphylococcus aureus (MRSA), Salmonella [proven test results by TNO, ISO] The coating has been tested on cleaning protocols and agents within hospitals, the food industry, care homes, food&beverage manufacturers. Scrub resistant.

Available in all RAL colors.

Authorization number 13618N confirms:

- Active anti-bacterial claim
- Proven anti-bacterial claim
- Safety of anti-bacterial claim

Inducoat® BACTERIA is recommended for indoor on mineral surfaces, such as new and existing masonry, plaster, concrete. The Inducoat® BACTERIA are processed with a brush, roller or airless sprayer.

TECHNICAL DATA

Appearance	Matt
Color	White (can be supplied in all RAL colors)
Density	1.45 kg / ltr
Solid content	60% by weight 44 volume%
Viscosity	100-150 P (Brookfield 20 Rpm)
Recommended	wet film thickness 90 micron, corresponds to 40 microns dry
Theoretical yield	11 m ² / ltr at 40 microns dry
Practical yield	Approximately 10 m ² / l, depending of roughness and porosity of the substrate and the application method
Drying times humidity:	At 200C and 50% relative Tack free in 1 hour Paintable in 4 hours Cured in 3 days Heat resistance 900C (dry load) VOC content Maximum 30g / ltr

BACTERIA

Specifically suitable for hospitals, care homes and those place where vulnerable people need all hygiene protection possible.

Inducoat Bacteria is tested against e.g.:

Aeromonas hydrophila, Aeromonas sobria, Bacillus cereus, Campylobacter jejuni, Campylobacter, Clostridium botulinum, Clostridium perfringens, Clostridium difficile, Enterobacter spp., Enterococcus spp., Escherichia coli O157: H7, Klebsiella spp. Listeria monocytogenes, Mycobacterium spp., Salmonella / Shigella spp. Staphylococcus aureus, Streptococcus agalactiae, VRE etcetera. *

[list not exhaustive, ISO22.196: 2011]



INDUCOAT® MSP2.0

e Inducoat® MSP2.0 - an advanced sealant that combines the advantages of silicone and polyurethane sealants - without the disadvantages of these techniques. The MSP2.0 stands for MS Polymer®, a technique developed by KANEKA® from Japan. The application of the MPS2.0 focuses on sealant joints that must be durable; such as in bathrooms, kitchens, sandwich panels or construction parts (steel, concrete).

Why choose the MSP2.0 as a sealant?

- Long-term UV resistance
- No bubble formation due to lack of reaction with moisture: 100% solids (no isocyanide)
- Good adhesion on damp surfaces
- No shrinkage after application (100% solid, no solvents, no water)
- No color bleed / staining (free from silicone oil)
- Very low dirt adhesion (dust)
- Paintable

What added value for your bio-security?

- The dry film* is additionally protected by the formulation of specific biocides against both mould as well as bacteria. These biocides are listed in the safety data sheet.
** This sealant does not make an active claim - it is different from our coatings.*
- The sealant has proven itself in challenging practice - from laboratory to bathroom, from meat processing to kitchen
- ISEGA certificate FOOD SAFE



ELASTOMUR

PRODUCT DESCRIPTION:

Water-based, one-component, waterproof and elastic paint based on acrylic resins. Up to 300% elasticity. Apply like a regular acrylic. Achieve a high layer thickness in one coat. The Blue Line version contains biocides to protect the dry film against bacteria.

FEATURES: Particularly elastic system. Waterproof. Permeable to vapor and breathable. Suitable for heavy hygiene protocols (frequency and material).

SUBSTRATES: New and old masonry, cement, concrete.



Invitation

Inducoat Knowledge Sessions
Technology, Application and Regulation of the latest generation of anti-bacterial coatings via on-line webinars, on-site lunch & learn and 1-on-1 advice



HYDROPOX

PRODUCT DESCRIPTION:

A water-dilutable 2-component epoxy coating. Simple application. Suitable as a floor coating for environments with a regular (floor) usage load. The Blue Line Version contains biocides to protect the dry film against bacteria.

CHARACTERISTICS: Good wear resistance. Easy to clean. Resistant to solvents, oils, petrol.

SUBSTRATES: Specially developed for garages, car parks, workshop floors, distribution and shopping centers.



1K

PRODUCT DESCRIPTION:

One-component polyurethane. Waterborne based on acrylic and polyurethane dispersions. Transparent and in RAL-color. Universal application: from walls to steel structures. The Blue Line version contains biocides to protect the dry film against bacteria.

FEATURES: Easy one-component application. Good chemical resistance. Hardness. Excellent solvent resistance.

SUBSTRATES: From bricks, concrete, wood, parquet to concrete.



2K

PRODUCT DESCRIPTION:

Very high-quality water-based, two-component aliphatic polyurethane. Suitable as a coating for environments with a heavy usage. The Blue Line version contains biocides to protect the dry film against bacteria.

FEATURES: Very hard. Excellent chemical resistance. Excellent resistance to mechanical duty and solvents. Suitable for heavy hygiene protocols (frequency and material). Non-yellowing.

SUBSTRATES: Various floor surfaces, walls, steel.





Anti-Algae



Cleaner?
Indoor: Mould
ALSO

Outdoors: Algae&Moss



Authorization number
14257N

ANTI-ALGAE COATING

High-solids, water-based, one-component acrylic dispersion coating with a matt finish for outdoor use on walls. Formulated to eliminate growth of algae and moss.

FEATURES: Good coverage - Smooth and easy application due to the high binder content - Vapor permeable and breathable system - good outdoor durability ... and anti-algae!

SUBSTRATES: Outdoor walls, unpainted or painted.

TECHNICAL DATA

Appearance	Matt
Color	White (can be supplied in all RAL colors)
Density	1.45 kg / ltr
Solid content	60% by weight 44 volume%
Viscosity	100-150 P (Brookfield 20 Rpm)
Recommended wet film thickness	90 micron, corresponds to 40 microns dry
Theoretical yield	11 m ² / ltr at 40 microns dry
Practical yield Approximately	10 m ² / l, depending of roughness and porosity of the substrate and the application method
Drying times humidity:	At 200C and 50% relative Tack free in 1 hour Paintable in 4 hours Cured in 3 days Heat resistance 900C (dry load) VOC content Maximum 30g / ltr

Perfect for spraying or rolling.

ALGAE?

Algae are a large and diverse group of simple photosynthetic organisms. Because they have no roots, they are fairly simple. Algae only live in damp places.

MOSS?

Moss is a very simple type of plant, without roots, trunk or leaves. Since moss does not have a traditional root system, it can only grow in damp locations such as on damp walls.

HARMFUL.

Algae and mosses on damp surfaces lead to moisture and this causes damage. The organisms retain moisture in the wall and are a breeding ground for many harmful other organisms such as bacteria and insects. In addition, it harms the appearance of a building.

**INDUCOAT ALGAE offers
a great wall coating with
built-in algae prevention**



METALUNICOAT

PRODUCT DESCRIPTION:

Water-based anti-corrosive coating that is both primer and finish in one. Suitable to protect steel structures up to corrosion level C3. Based on styrene acrylate copolymers and zinc phosphate. The Green Line version contains biocides to protect the dry film against algae.

CHARACTERISTICS: Provides a solid anti-corrosion protection. Excellent adhesion to steel.

SUBSTRATES: Steel structures - especially metal sheets - gives a building with metal sheets facade a new lease of life! Available in any RAL-color.

TECHNICAL DATA

APPEARANCE:	Satin finish	VISCOSITY:	180 - 220 P (Brookfield 20 Rpm)
COLORS:	See color chart	DRYING TIME:	Dust dry: 3 hours
DENSITY:	About 1.2		Paintable: min. 6 hours
SOLID:	Weight: 64-66%, Volume: 55-57%	PACKAGING:	5L - 10L - 20L
FOX CONTENT:	Max 8g / L	STORAGE:	12 months, if stored frost-free
FLASH POINT:	N / A		



NATURAL IMPREGNATING WAX

Inducoat has embraced the Scandinavian Wax Technology (SWT) to protect surfaces which require a transparent, non-film forming protection. 100% natural, SWT not only offers great hydrofussion (water repellancy) but by filling the pores of the substrate, SWT prevents the adhesion of algae and moss. Most distinctive feature is the fact that wax is UV-inert. Long midsummernights do not have an effect on the protection.

HorsemenCare offers three SWT products: stoneprotect, concrete protect and deckcare. Easy application and excellent results proof that eco is logic. For our environment, and for our budget. It can substantially lengthen the maintenance cycle.

We have a dedicated HorsemenCare brochure and website available: www.HorsemenCare.com



Completely natural.



A water-based, solvent-free wax impregnation neutral protection.



Long-term protection.



UV-inert.



Biodegradable.



Improves cleanability.



Never flakes.



A WTCB-report is available.



Gives your wood a natural, rustic look.



Inhibits growth of algae and mosses.



Simple application.



Long-lasting, natural protection.

www.HorsemenCare.com





STAIN AWAY

Inducoat Stain Away aerosol is a matt white coating based on acrylic resins for insulating stains. Easy spray on e.g. waterstains, ballpoint-graffiti, nicotine stains or rust stains.

RECOMMENDED APPLICATIONS

Inducoat Stain Away is used both indoors and outdoors on mineral surfaces such as new and old masonry, brick, plaster and plaster, concrete and old paint layers. Inducoat Stain Away can be painted over with standard coatings for walls and ceilings.



DEGREASER

Inducoat Degreaser is a water based, biodegradable degreaser, specially developed for the degreasing of painted surfaces that are still intact. It has an etching effect, which saves on sanding, irradiation or other roughening of the painted surfaces. Helps to achieve a perfect Inducoat finish.

RECOMMENDED APPLICATIONS

The Inducoat Degreaser offers good degreasing of rusted surfaces and other metals. Also suitable to degrease plastic and Trespä.



MULTIPRIM

Inducoat Bonding Primer is a one-component, anti-corrosion polyvalent coating based on water-dispersed acrylic resins.

RECOMMENDED APPLICATIONS

Inducoat Bonding Primer has excellent adhesion to steel, galvanized steel, hard PVC, zinc, glass.

Easy application: roll, brush or spray.



INDUFIX

InduFix impregnation primer is a transparent water-dilutable product based on an acrylic copolymer. This acrylate has very small dispersed particles which allows for deep impregnation/penetration into the substrate.

RECOMMENDED APPLICATIONS

InduFix impregnation primer is used in both indoor and outdoor applications on porous mineral surfaces such as new and old masonry, plaster and concrete. InduFix impregnation primer is applied in one layer with the brush or roller and can also be applied with the airless sprayer.



BASECOAT

Basecoat is a water-dilutable high-quality wall paint based on a styrene acrylate copolymer for indoor use. Due to the high solid content, a high practical coverage is achieved. Often used as the first coat - to be finished with the FUNGI, BACTERIA or ALGAE.

CHARACTERISTICS: Used for indoor and outdoor application on mineral surfaces such as new and old masonry, plaster, concrete.

If you think of standardization as the best that you know today, but which is to be improved tomorrow; you get somewhere. *Henry Ford*

INDUCOAT



To conclude

Relevance

1

Hygiene is relevant in many environments where we live, eat, work. The Covid-19 virus has alerted us - what you can't see, can certainly be there. The same goes for harmful bacteria and mould. What you don't see may be there, and in some cases - you need to address this. It's an urgent necessity.

Credible

2

If you accept the need, then it make sense to include coatings in your bio-security risk assessment. If you are coating anyways, do it smart. Part of this intelligence is to include clear, objective, criteria: legal, lab results, practice based evidence. Inducoat B.V. is the first coatings manufacturer with ans exclusive focus on hygiene coatings. Since 2009, we have been building our credibility, earning the trust of major multi-national partners.

Distinctive

3

Quality assurance is "doing it right, when no one is looking". The credits will come in the end. When there is an audit. Or when there is an outbreak. It's about taking responsibility. That will make the difference.

These building blocks form the base of *all* our coating systems

Waterborne

Extra protection from dry film microorganisms

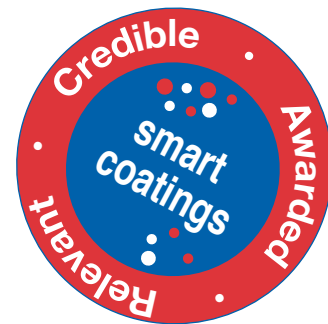
In all RAL colors available

Simplicity in application (brush, roller or spray)

Highly practical efficiency

Guarantees possible





INDUCOAT®

Leader in **surface** hygiene

Inducoat B.V.

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www.Inducoat.com

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