

PRODUCT RANGE

impra® lan



profilan®



profilan®



impralan® is the water-based complete system for industrial surface coating of wood. Our products are adapted both to the material wood and to the technologically highly complex processes in industrial production.

Whether in window construction, on balconies, fences or facades: the demands on our products are high. It's all about the best quality results, delivery readiness and competent service on site.



Our products comply with the legal regulations.
For detailed information on the products,
please refer to the respective technical data sheet.

profilan®

WATER-BASED SURFACE COATING FOR CRAFTSMEN

profilan®

SOLVENT-BASED SURFACE COATING FOR CRAFTSMEN

profilan® is the water-based and solvent-based professional programme for the protection and finishing of wood for interior and exterior use. With our coordinated systems of primers, glazes and opaque colours, no design wishes remain unfulfilled. The demand on our products is clear: highest processing quality, convincing results and optimal protection! We implement these goals in our own research and development department with ever new ideas and products for you when it comes to wood protection, surface systems and care.












Our products comply with the legal regulations.
For detailed information on the products,
please refer to the respective technical data sheet.










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OPAQUE INTERMEDIATE COATING


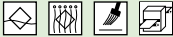




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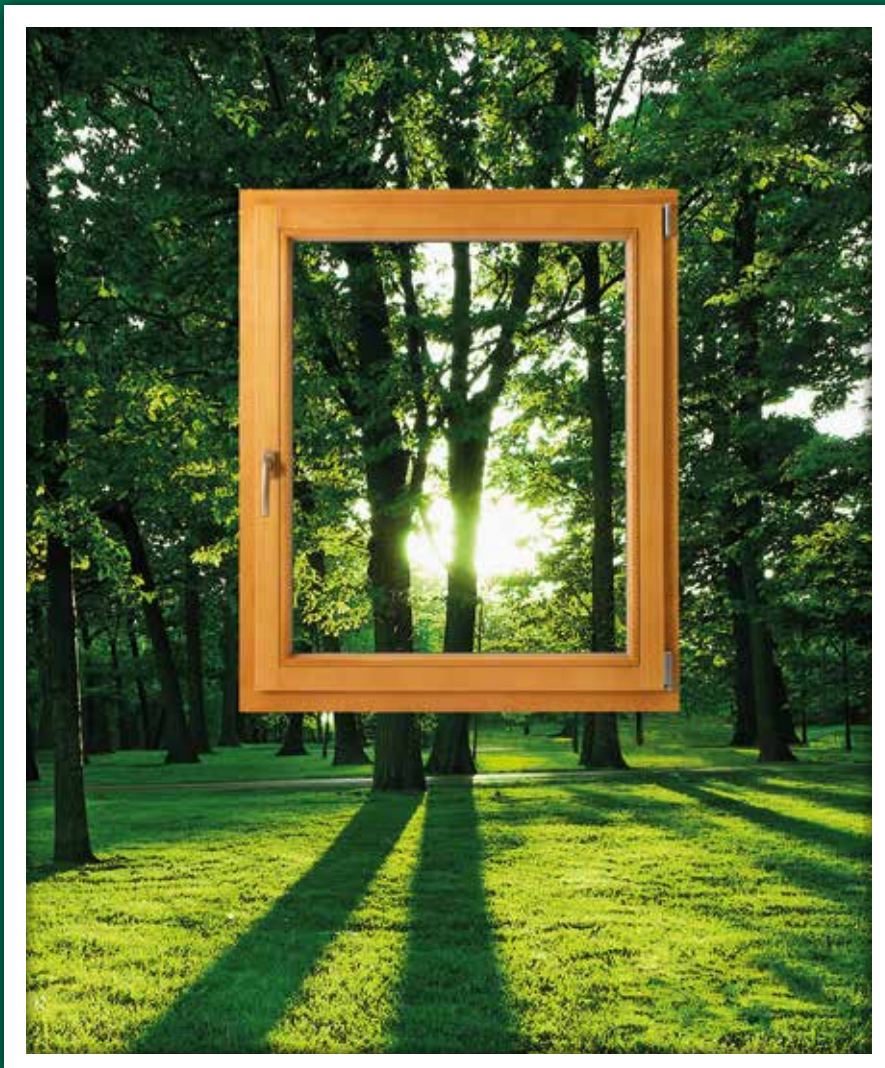
Legend:  = Spraying  = Dipping  = Flooding  = Vacuum  = Painting  = Rolling  = Board coater

* Use biocides safely. Always read the label and product information before use.
Consumption figures are approximate and may vary depending on the substrate.

Subject to change

impra[®]lan

INDUSTRIAL SURFACE COATING



impra[®]lan

impralan-Grund I100 *



Water-based impregnation for exterior wood.

Impregnation containing active substances with protection against blue stain and rot according to DIN 68800 part 3.

Fields of application: For protection against blue stain and rot, suitable for all outdoor woods without ground contact.

Properties:

- Wood-strengthening and dimension-stabilising.
- High penetration capacity with practical use
- High effectiveness
- Fast drying
- Single part gluing possible
- Levelling
- Moisture regulating

Consumption: 80 – 100 ml/m² per coat

Colour: 0000 Colourless

Pack size

20 L drum
120 L drum

Units per pallet (product no. W7093)

22 units
4 units



* Product/product designation may change for approval-related reasons.

impralan-Grund G100



Water-based primer for interior and exterior wood.

Colouring primer.

Fields of application: Active substance-free primer for dimensionally stable and non-dimensionally stable wooden components. Particularly suitable for priming windows and exterior cladding.

Properties: Low roughening of the wood surface
Fast drying
Easy to sand
Excellent flow behaviour
Very good adhesion to the wood substrate
Uniform colouring

Verbrauch: 60 – 80 ml/m² per coat

Colour: 0000 Colourless

Tintable via the impra® colour mixing centre:

**ROG house colours
RAL and NCS colours**

Base: For mixing

Pack size	Units per pallet (Product no. W7051)
20 L drum	22 units
4,75 L can	96 units
19 L drum	22 units

impralan-Grund G300 *



Water-based, glazing primer for exterior wood.

Colouring primer for preventive protection against blue stain and rot according to DIN 68800 part 3.

Fields of application: For preventive protection against blue stain and decay for statically not stressed woods without ground contact.

Properties: High effectiveness
Very good adhesion to the wood substrate
Fast drying
Excellent penetration and anchorage of the active ingredients in the wood.

Consumption: 80 – 100 ml/m² per application

Colour: 0000 Colourless

Tintable via the impra® colour mixing centre:

**ROG house colours
RAL and NCS colours**

Base: For mixing

Pack size	Units per pallet (Product no. W7096)
20 L drum	22 units
120 L drum	4 units
4,75 L can	96 units
19 L drum	22 units

* Product/product designation may change for approval-related reasons.

impralan-Grund G400 * Grund- und Objektlasur



Active substance-containing primer and finishing coat for wood outdoors.

Preventive protection against blue stain and rot for all wood outdoors without ground contact.

Fields of application: Primer and final coat for exterior wood components.
Primer for dimensionally stable and limited dimensionally stable components.

Properties:

- Very good flow and run-off
- Good UV protection
- Weather resistant
- Uniform colouring
- Easy to sand
- Fast drying
- Very good adhesion to the wood substrate
- Low fibre straightening

Consumption: 80 – 100 ml/m² per coat

Colour: 0000 Colourless

Tintable via the impfa® colour mixing centre: **ROG house colours**
RAL and NCS colours

Pack size

5 L can
20 L drum

Units per pallet (Product no. W7090)

96 units
22 units



* Product/product designation may change for approval-related reasons.

impralan-Füller F200



Water-based, colourless intermediate coating for wood for interior and exterior use.

Colourless intermediate coating with high economic efficiency.
Very good saturation of end-grain areas.

Fields of application: For windows and doors as well as other dimensionally and non dimensionally stable wood components.

Properties: Very good pore filling and end-grain saturation.
Mild inherent odour
Good sandability
Block-resistant

Verbrauch: 60 – 80 ml/m² per coat

Colour: 0000 Colourless

Pack size

20 L drum
120 L drum

Units per pallet (Product no. W7128)

22 units
4 units

impralan-Füller F710



Water-based, transparent intermediate coating for wood for interior and exterior use.

Insulating intermediate coating for dipping and flooding.

Fields of application: As intermediate coat for windows and doors as well as other dimensionally stable and non dimensionally stable wood components in interior and exterior areas.

Properties: Floodable adjusted
Transparent
Insulating
Very good pore filling
Well suited for larch woods

Consumption: 60 – 80 ml/m² per coat

Colour: 0000 Colourless

Pack size

20 L drum

Units per pallet (Product no. W7213)

22 units

impralan-Vorlack V600



Water-based, colourless MDF barrier primer for wood for interior and exterior use.

Fields of application: Insulation for MDF components.

Properties: Reduction of water absorption (MDF)
Very good barrier effect
Mild inherent odour
Short drying time

Consumption: 150 – 175 ml/m² per coat

Colour: 0000 Colourless

Pack size

Units per pallet
(Product no. W7050)

5 L can

96 units

20 L drum

22 units

impralan-Vorlack V710



Water-based, colourless intermediate coating for wood for interior and exterior use

Colourless and insulating intermediate coating for spraying and painting.

Fields of application: As intermediate coat for windows and doors as well as other dimensionally stable and non dimensionally stable wood components indoors and outdoors.

Properties: Ready for spraying
Transparent
Insulating
Good pore filling
Well suited for larch woods

Consumption: 150 – 175 ml/m² spray per coat
60 – 80 ml/m² brush per coat; brush twice

Colour: 0000 Colourless

Pack size

Units per pallet
(Product no. W7214)

5 L can

96 units

20 L drum

22 units

impralan-Lasur S100 silk gloss



impralan-Lasur S150 satin finish



Water-based, film-forming stain for wood indoors and outdoors.

Transparent stain with high filling power and excellent UV protection.

Fields of application: Intermediate and final coatings for windows and doors, and other dimensionally stable wooden components according to the guidelines of the Institute for Window Technology e.V. Rosenheim GERMANY.

Properties: Highly elastic and block-resistant
High UV stability
Proof of suitability according to DIN EN 927-2
Saliva and sweat resistant according to DIN EN 71-3
Tested according to DIN EN 71-3 „European Standard for Toy Safety
Do not use exclusively colourless for exterior use.

Consumption: 300 ml/m² in 1 – 2 coats

Colour: 0000 Colourless

Tintable via the impra® colour mixing centre:
On request:

ROG house colours
RAL and NCS colours

Base: For mixing

Pack size

20 L drum
120 L drum

Units per pallet (Product no. W7115)

22 units
4 units

4,75 L can
19 L drum

96 units
22 units



impralan-Lasur S500 silk gloss



Water-based, film-forming stain for interior wood.

Transparent stain with high filling power.

Fields of application: Final coating for high-quality wooden components such as wood/aluminium windows, doors and panels.

Properties: Softfeel effect
Block-resistant
Scratch-resistant
Resistant to many cleaning agents
Tested according to DIN EN 71-3 „European standard for toy safety“

Consumption: 300 ml/m² in 1 – 2 coats

Colour: 0000 Colourless

Tintable via the impra® colour mixing centre: **ROG house colours**
On request: **RAL and NCS colours**



Pack size

20 L drum

Units per pallet (Product no. W7131) (Product no. W7179)

22 units

impralan-Natureffektlasur S510 dull matt



Water-thinnable, dull matt stain for wood indoors and outdoors.

Stain with high scratch resistance and pleasant feel. Natural effect coating.

Fields of application: Final coating for high-quality limited and dimensionally stable wood components in interior and exterior areas, e.g. wood/aluminium windows, doors and panels.

Properties: Lightfast
Water vapour permeable
Produces cloth-matt, natural surfaces
High water and scratch resistance
Density approx. 1.050 g/cm³ at 20° C
Tested according to DIN EN 71-3 „Safety of toys
Do not use exclusively colourless for exterior use.

Block-resistant
Softfeel effect
High transparency
Mild inherent odour

Consumption: 180 – 220 ml/m² per coat

Colour: 0000 Colourless

Tintable via the impra® colour mixing centre: **ROG house colours**
On request: **RAL and NCS colours**



Pack size

20 L drum
120 L drum

Units per pallet (Product no. W7189)

22 units
4 units

impralan-Grund G200



Water-based, white primer for exterior wood.

White, opaque primer containing active substances for preventive protection against blue stain and rot according to DIN 68800 part 3.

Fields of application: White primer with good run-off behaviour and good wet adhesion. Particularly suitable for priming windows and exterior cladding.

Properties:

- Excellent flow behaviour
- Very good adhesion to the wood substrate
- Optimum pore filling
- Minimal roughening of the wood surface

Consumption: 80 – 100 ml/m² per coat

Colour: 9110 White

Pack size	Units per pallet (Product no. W7025)
20 L drum	22 units

impralan-Grund G250



Water-based, white transparent primer for exterior wood.

White, transparent primer containing active substances for preventive protection against blue stain and rot according to DIN 68800 part 3, ready for use.

Fields of application: For preventive protection against blue stain and rotting. for all wood outdoors without contact with the ground. Particularly suitable for priming of windows and exterior cladding.

Properties:

- Excellent run-off behaviour
- Low roughening of the wood surface
- Very good adhesion to the wood substrate
- High penetration
- Ready to use

Consumption: 80 – 100 ml/m² per coat

Colour: 0002 White transparent

Pack size	Units per pallet (Product no. W7038)
20 L drum	22 units

impralan-Grund G500 *



Water-based, opaque white primer for exterior wood.

Filling primer containing active substances with preventive protection against blue stain and rot.

Fields of application: For preventive protection against blue stain and rot for all woods outdoors without contact with the ground. Especially for priming windows and exterior boarding.

Properties:

- Weak inherent odour, odourless after drying.
- Easy to sand
- Low fibre straightening
- Very good adhesion to the wood substrate
- Optimum pore filling
- Fast drying

Consumption: 80 – 100 ml/m² per coat

Colour: 9110 White

Pack size

20 L drum
120 L drum

Units per pallet (Product no. W7066)

22 units
4 units



* Product/product designation may change for approval-related reasons.

impralan-Füller F350



Water-based, white primer and intermediate coat for interior and exterior wood.

White, full-bodied primer and intermediate coat with very good insulating properties against wood constituents.

Fields of application: Suitable for windows and doors as well as other dimensionally stable and non dimensionally stable wooden components, especially for oak and hardwood.

Properties:

- Very good barrier effect
- Very good pore filling and end-grain saturation
- Good sandability
- High dry film thickness
- No discolouration of the final coat
- Excellent adhesion properties

Consumption: 60 – 80 ml/m² per coat

Colour: 9110 White

Pack size

20 L drum
120 L drum

Units per pallet (Product no. W7158)

22 units
4 units

impralan-Vorlack V100



Water-based, white barrier primer for interior and exterior wood.

White intermediate coat with very good insulating properties against wood constituents in one working step.

Fields of application: Suitable for windows and doors as well as other dimensionally stable and non dimensionally stable wooden components, especially for softwood and hardwood.

Properties:

- Ready for spraying
- Very good blocking effect
- Optimum edge coverage
- High filling power

Consumption: 175 – 200 ml/m² per coat

Colour: 9110 White

Pack size

5 L can
20 L drum

Units per pallet (Product no. W7004)

96 units
22 units

impralan-Decklack D100 silk gloss



impralan-Decklack D150 satin finish



Water-based topcoat for interior and exterior wood.

Top coat with extremely high covering power and weather resistance.

Fields of application: Intermediate and final coat for windows and doors as well as other and other dimensionally stable wooden components according to the guidelines of the of the Institute for Window Technology e.V. Rosenheim, GERMANY.

Properties: Highly elastic and block-resistant Very good edge coverage.
Proof of suitability according to DIN EN 927-2 Microfoam-free
Tested according to DIN EN 71-3 „European standard for toy safety“

Consumption: 300 ml/m² in 1 – 2 coats

Colours: RAL 9010 Pure white
RAL 9016 Traffic white

Tintable via the impra® colour mixing centre: **ROG house colours**
RAL and NCS colours

Base: Base A (white)
Base C (transparent)
For mixing

Pack size

Units per pallet (Product no. W7116) (Product no. W7100)

5 L can	96 units
20 L drum	22 units
120 L drum	4 units

4,5 L can	96 units
9 L drum	30 units
18 L drum	22 units



impralan-DS600 silk gloss



Water-based, hard-wearing door coating for interior and exterior wood.

Can be applied as a 1K or 2K variant depending on the production process and load profile.

Fields of application: Especially for doors, entrance doors, conservatories as well as wooden components, which are exposed to special loads. Can also be used as a colourless top coat on impra®lan lacquers and stains to improve the surface resistance.

Properties:

Colour-stable	Block-resistant
Easy application	Short drying time
Extensible	Good flow
Water-repellent and weather-resistant	Robust surface
Tested according to DIN EN 71-3 „European standard for toy safety“	
Proof of suitability in accordance with DIN EN 927-2 for coating of dimensionally stable wooden components in exterior areas	

Consumption: 150 – 175 ml/m² per coat

Colours: Tintable via the impra® colour mixing centre: **ROG house colours**
RAL and NCS colours

Base: **Base A (white)**
Base C (transparent)
For mixing

Pack size	PU	Units per pallet (Product no. W7209)
2,5 L tin	4	36 units
5 L can	4	24 units
20 L drum	–	22 units

2,25 L tin	4	144 units
4,5 L can	4	96 units
18 L drum	–	22 units



impralan-Lasur T100



Water-based stain for interior and exterior wood.

Glaze with excellent staining properties.

Fields of application: Transparent intermediate and final coat for wooden construction elements e.g. wall and ceiling cladding, pergolas, boarding and balcony railings.

When mixed 1 : 1 with water, can be used as a glue stain for structural timber to protect against splash water and soiling during transport and the construction phase.

Properties: Very good UV resistance
Optimum flow
Short drying time
Tested according to DIN EN 71-3 „European Standard for Toy Safety“
Do not use exclusively colourless for exterior use.

Consumption: 60 – 80 ml/m² per coat

Colour: 0000 Colourless

Tintable via the impra® colour mixing centre: **ROG house colours**
RAL and NCS colours

Pack size	Units per pallet (Product no. W7107)
20 L drum	22 units
120 L drum	4 units

impralan-Lasur T110



Water-based stain for exterior wood.

Transparent hybrid stain with preventive film protection against mould and algae.

Fields of application: Primer, intermediate and final coat for wooden construction elements such as pergolas, screen elements and balcony railings.

Properties: Very good UV resistance
Antiflue film protection
Tested according to DIN EN 71-3 „European standard for toy safety“

Consumption: 60 – 80 ml/m² per coat

Colour: 0000 Colourless

Tintable via the impra® colour mixing centre: **ROG house colours**
RAL and NCS colours

Greying glazes – tintable via the impra® colour mixing centre:

0706 Ice Stone
0707 Grey Nature
0708 Night Grey
0709 Fog Grey
0909 Dark Grey

Base: For mixing

Pack size	Units per pallet (Product no. W7101)
20 L drum	22 units

19 L drum	22 units
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impralan-Lasur T500



Water-based stain for pressure impregnated wood outdoors.

Transparent stain with excellent staining on pressure impregnated wood.

Fields of application: Final coating for all exterior wood components, e.g. fences, pergolas, carports, plant troughs, children's playground equipment etc., Especially suitable for the after-treatment of fixed pressure impregnated wood.

Properties: Moisture regulating
Fast drying
Good weather resistance
Tested according to DIN EN 71-3 „European Standard for Toy Safety“

Consumption: 60 – 80 ml/m² per coat

Colour: 0000 Colourless

Tintable via the impfa® colour mixing centre: **ROG house colours**
RAL and NCS colours

Pack size

20 L drum

Units per pallet
(Product no. W7103)

22 units



impralan-Lasur T600 Holzöl universal silk matt



Water-based wood oil for the initial coating and maintenance of wood in exterior areas.

Glazing wood oil with a binder based on renewable raw materials.

Fields of application: For the protection and coloured design of native coniferous and deciduous wood as well as thermowood; for garden wood, wooden facades, fences, playground equipment, etc. For the after-treatment of wood impregnated with impra®lit products. For finishing wooden components that have been coloured with impra®lan colour concentrates.

Properties:

Water-repellent and weather-resistant	Good run-off behaviour
Fast drying, quickly rainproof	Pleasant feel
Film protection against mould and algae	UV protection
No peeling, as open-pored and breathable	
Do not use exclusively colourless for exterior use.	

Consumption: 60 – 80 ml/m² per coat

Colour: 0000 Colourless

Tintable via the impra® colour mixing centre: **ROG house colours**
RAL and NCS colours

Greying glazes – tintable via the impra® colour mixing centre:

0706 Ice Stone

0709 Fog Grey

0707 Grey Nature

0909 Dark Grey

0708 Night Grey

Pack size

2,5 L tin
20 L drum

Units per pallet (Product no. W7216)

144 units
22 units



impralan-Lasur S300 silk gloss



Water-based stain for interior and exterior wood.

Transparent mid-coat stain with high filling power.

Fields of application: Intermediate and final coat for wall and ceiling claddings, pergolas, facades, balcony railings, etc.

Properties: Highly elastic and block-resistant
High UV stability
Proof of suitability according to DIN EN 927-2
Excellent flow
Tested according to DIN EN 71-3 „European standard for toy safety“

Consumption: 60 – 125 ml/m² per coat

Colour: 0000 Colourless

Tintable via the impra® colour mixing centre: **ROG house colours**
On request: **RAL and NCS colours**

Base: For mixing

Pack size	Units per pallet (Product no. W7119)
20 L drum	22 units
4,75 L can	96 units
19 L drum	22 units

impralan-Lasur S400 silk gloss



Water-based stain for interior wood.

Silk-glossy interior stain with high filling power.

Fields of application: Final coating for interior wooden components e.g. profiled boards, ceiling panelling, etc.

Properties: Good filling power
Block-resistant
Fast drying
Tested according to DIN EN 71-3 „European standard for toy safety“

Consumption: 60 – 80 ml/m² per coat

Colour: 0000 Colourless

Tintable via the impra® colour mixing centre: **ROG house colours**
On request: **RAL and NCS colours**

Pack size	Units per pallet (Product no. W7110)
20 L drum	22 units
120 L drum	4 units

impralan-Isoliergrund OSB



Insulating, highly covering primer and top coat for OSB boards.

Primer and top coat for OSB boards, structural timber and various wood-based materials in areas not directly exposed to weather.

Fields of application: For insulating OSB substrates (e.g. coarse chipboard).
As a highly covering primer and top coat to prevent discolouration as well as for blocking off wood ingredients.

Properties: Highly covering
Highly effective against penetration of wood constituents
High filling power
Fast drying

Consumption: 160 ml/m² in 1 – 2 coats

Colour: RAL 9010 Pure white

Pack size

20 L drum

Units per pallet (Product no. W7000)

22 units

impralan-Vorlack V120



Water-based, white barrier primer for interior and exterior wood.

White primer and intermediate coat with very good insulating properties for interior and exterior wood.

Fields of application: For profiled and façade boards and other dimensionally stable and non dimensionally stable wood components.

Properties: Very good blocking effect
Optimum edge coverage
High filling power

Consumption: 100 – 120 ml/m² per application

Colour: 9110 White

Pack size

20 L drum

Units per pallet (Product no. W7008)

22 units

impralan-Decklack D300 silk gloss



Water-thinnable mid-coat lacquer for exterior wood.

Opaque, medium-coat intermediate and top coat with high weather resistance.
Preventive protection against mould and algae.

Fields of application: Intermediate and final coat for exterior wood components, such as wall and roof soffits, pergolas, facades and balcony railings.

Properties: Highly elastic and block-resistant
Very good edge coverage
Effective against mould and algae
Tested according to DIN EN 71-3 „European standard for toy safety“

Consumption: 80 – 150 ml/m² per coat

Colours: Tintable via the impfa® colour mixing centre: **ROG house colours**
RAL and NCS colours

Basis: **Base A (white)**
Base C (transparent)
For mixing

Pack size

Units per pallet
(Product no. W7117)

4,5 L can
18 L drum

96 units
22 units



impralan-Metallic D400



Water-based effect coating for interior and exterior wood.

For modern design of surfaces in wood construction and renovation.
Depending on the system structure, transparent to opaque surfaces can be applied.

Fields of application: Wooden facades, carports, fences, soffits, folding shutters, garage doors etc. For creating wood surfaces with a greying effect, here, the transparency can be adjusted as desired with impralan T600 wood oil. For painting windows and entrance doors in the system with impralan D150 or D100. For renovating old surfaces in a system with profilan opac as filler and primer.

Properties: Easy application Diffusible
Water-repellent and weather-resistant Block-resistant
Good UV protection due to metallic flakes Short drying time
Tested according to DIN EN 71-3 „European standard for toy safety“

Consumption: 80 – 120 ml/m² in 1 – 2 coats

Colours: Tintable via the impra® colour mixing centre: **ROG house colours**
Other colour shades on request.

Graying glazes – tintable via the impra® colour mixing centre:

0951 Outback

0953 Silverstyle Moon 1

0952 Nordic 1

0954 Silverstyle Moon 2

0955 Mocca Star

Base: For mixing

Pack size

Units per pallet
(Product no. W7125)

4,5 L can
18 L drum

96 units
22 units



impralan-Flex

Plastoelastic joint sealant.

Water-based acrylate sealant for sealing connection joints and V-joints on wooden windows.

Fields of application: Joint sealant to protect the end-grain area of V-joints of wooden windows and doors as well as wooden construction elements against penetrating moisture indoors and outdoors.

Properties:

- Low-odour elastic acrylic sealant
- Can be painted over with most commercially available paint systems
- Good adhesion properties on almost all substrates
- Immediately rainproof
- Resistant to ageing and weathering

Colour: 0000 Colourless

Pack size	VPE (Product no. W7203)
310 ml cartridge	10 pieces

impralan-Fugensiegel

Water-based colourless V-joint sealant.

Sealer to protect the end-grain area of V-joints.

Fields of application: Sealing of joints to protect the end-grain area of V-joints of wooden windows and doors as well as wooden construction elements against penetrating moisture indoors and outdoors.

Properties:

- No discolouration (yellowing)
- Good saturation of the end-grain areas

Colour: 0000 Colourless

Pack size	VPE (Product no. W7118)
250 ml bottle	10 pieces

impralan-Feinspachtel

Water-based, fast-drying dispersion filler.

Fields of application: For filling work on opaque system build-ups on primed wood as well as for small repair filler jobs.

Properties: Very fast drying
Good filling, low in pollutants
Crack-free up to approx. 1000 µm wet film thickness
Very good sanding properties

Application: Filler knife

Colour: White

Pack size	VPE (Product no. W7918)
400 g tube	10 pieces

impralan-Reiniger

Cleaner for application equipment.

Cleaning solution for vacumat, spraying and flooding equipment as well as recycle tapes.

Also suitable for cleaning painting tools, such as brushes.

Dosage 1:5 (1 part concentrate, 5 parts water).

In case of heavy soiling, a higher dosage is also possible.

Properties: Low odour and effective
High cleaning power

Pack size	PU	Units per pallet (Product no. W7186)
2,5 L canister	4	36 boxes
20 L canister	–	24 units

impralan-Streichzusatz

Coating additive for water-thinnable industrial thick-film systems.

For improving the spreadability of thick-film spray products;

For touching up minor damage to newly coated windows, caused during transport or installation.

Dosage: 3 – 5 %

Properties: Water-thinnable
Low odour
Compatible with all impra®lan products

Pack size	Units per pallet (Product no. W7132)
1 L bottle	–

impralan-Entschäumer

Liquid defoaming additive for primers, glazes and top coats.

Defoaming agent for reducing foam formation in flooding systems and vacuums.

Dosage: 0.2 – 0.5 %

Properties: Highly effective
Well tolerated

Pack size	PU	Units per pallet (Product no. W7192)
2,5 L canister	4	36 boxes

impralan-Entschäumer select

Liquid defoaming additive for flooding and vacuum products.

For the reduction of foam formation.

Dosage: 0.5 – 2 %

Properties: Good compatibility
Prevents microfoam
Solvent-free

Pack size	PU	Units per pallet (Product no. W7210)
2,5 L canister	4	36 boxes

impralan-Additiv K

Additive with fungicidal and bactericidal effect.

Biocidal additive for germ control in flooding and dipping products.

Dosage: 0.3 – 1 %

Properties: Highly effective
Low odour

Pack size

5 L canister

Units per pallet (Product no. W7173)

84 units

impralan-Additiv M

Additive for matting impra®lan products.

impralan-Additiv M is used for the subsequent matting of impra®lan products.
This allows velvety surfaces with uniform matting to be achieved.

Dosage: 2 – 3 %

Properties: High matting effect
Easy handling

Pack size

5 L canister

Units per pallet (Product no. W7170)

84 units

impralan-Härter WPU

Hardener component for water-based products.

Hardener for water-based house door coatings impralan-Lasur S600 and impralan-DS600.

Properties: Low odour and effective
Improves scratch resistance and hardness
Accelerates the drying process

Consumption: 200 ml per 2.5 litres

Pack size

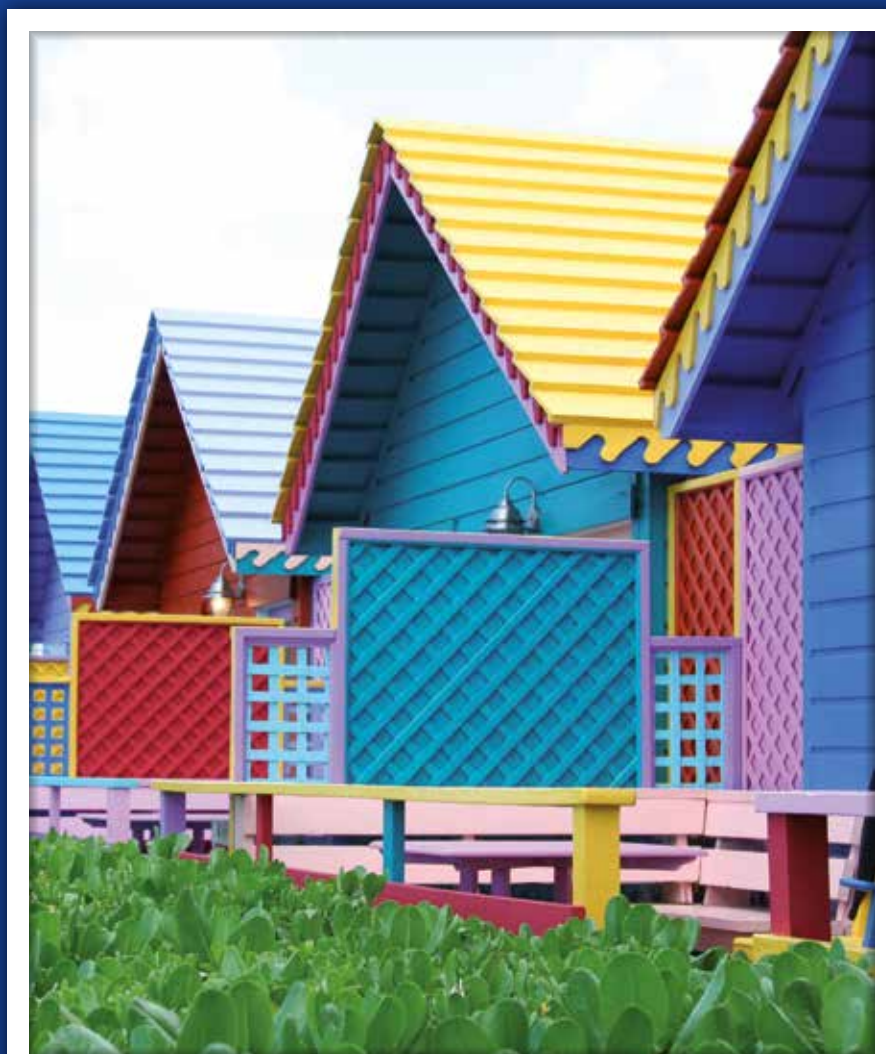
1 L bottle

Units per pallet (Product no. W7294)

—

profilan[®]

WATER-BASED SURFACE COATING



profilan[®]

profilan-prevent Imprägniergrund



Water-based impregnation primer for exterior wood.

Active substance-containing primer with protection against blue stain and rot according to DIN 68800 Part 3. Effectiveness test according to DIN EN 113 and DIN EN 152-1.

Fields of application: For protection against blue stain, rot and mould of statically unstressed woods without contact with the ground.

Properties: Protects deeply and permanently
Enables good adhesion for subsequent coatings
Odourless after drying

Consumption: 80 – 100 ml/m² per coat

Colour: 0000 Colourless

Pack size	PU	Units per pallet (Product no. W7022)
0,75 L tin	6	77 boxes
2,5 L tin	4	36 boxes
10 L drum	–	30 units

Water-based surface coating

profilan-Innenraumlasur silk gloss



Water-based, silk-gloss PU-modified wax stain for interior wood.

Fields of application: For coating wooden components such as wall panelling, wooden ceilings, doors, small furniture, etc. Suitable for the production of „waxed“ surfaces. For repainting wood/aluminium windows and front doors.

Properties: Very good water resistance (water-repellent)
Resistant to common household cleaning agents
Gloss-stable and non-yellowing with UV protection
Pleasant haptics
Excellent flow properties
Easy processing
Block resistant
Diffusible

Consumption: 60 – 80 ml/m² per coat

Colour: 0000 Colourless

Tintable via the impra® colour mixing centre: **ROG house colours**
RAL and NCS colours

Pack size	PU	Units per pallet (Product no. W7055)
0,75 L tin	6	77 boxes
2,5 L tin	4	36 boxes

profilan-fina-Hybrid Dünnschichtlasur silk matt



Water-based thin-layer stain with high UV protection for interior and exterior wood.

Transparent stain for the finishing of wood surfaces.
Preventive protection against mould and algae.

Fields of application: For all wooden components such as wall and ceiling panelling, doors, shelves, soffits, boarding, balcony railings, pergolas and other wooden components.

Properties:

Moisture-regulating	Optimum flow
Low fibre straightening	Breathable
No-match application	Quickly rainproof.
Highly weather-resistant	Many colour shades
Excellent adhesion	
Tested according to DIN EN 71-3 „European Standard for Toy Safety“	
Do not use exclusively colourless outdoors.	

Consumption: 60 – 80 ml/m² per coat

Colours:

- 0000 Colourless
- 0101 Light oak
- 0200 Pine

Tintable via the impfra® colour mixing centre: **ROG house colours**
RAL and NCS colours

Greying glazes – tintable via the impfra® colour mixing centre:

- 0706 Ice Stone
- 0707 Grey Nature
- 0708 Night Grey
- 0709 Fog Grey
- 0909 Dark Grey

Base: For mixing

Pack size	PU	Units per pallet (Product no. W7111)
0,75 L tin	6	77 boxes
2,5 L tin	4	36 boxes
10 L drum	–	30 boxes
2,25 L tin	4	36 boxes
9 L drum	–	30 units



profilan-top Medium Solid Lasur silk gloss



Water-based mid-coat stain for preserving the value of wooden components indoors and outdoors.

Transparent stain with high solids content.

Fields of application: For new and renovation coats on windows and doors, wall and ceiling cladding, soffits, shutters, garage doors, etc.

Properties:

Good fullness and flow	Block-resistant
Highly weather-resistant	Breathable
Mould and algae protection	High transparency
Good adhesion properties	
Tested according to DIN EN 71-3 „European standard for toy safety“	
Do not use exclusively colourless for exterior use.	

Consumption: 80 – 100 ml/m² per coat

Colour: **0000 Colourless**

Tintable via the impfra® colour mixing centre: **ROG house colours**
RAL and NCS colours

Base: For mixing - not as „Colourless“
or for lightening standard colour shades.

Pack size	PU	Units per pallet (Product no. W7112)
0,75 L tin	6	77 boxes
2,5 L tin	4	36 boxes
10 L drum	–	30 units
2,25 L tin	4	36 boxes
9 L drum	–	30 units

Water-based surface coating



profilan-opac Allwetterlack silk gloss



Water-based, highly opaque paint.

Weather protection paint with preventive film protection against mould and algae.

Fields of application: For wood such as half-timbering, balconies, wooden facades, windows and doors, garden sheds, etc. – after pre-treatment also on masonry, concrete, plaster, rigid PVC, zinc and galvanised steel.

Properties:

Effective against mould and algae	Highly opaque.
Very good adhesion to old coatings	Moisture-regulating
Very low soiling tendency	Block-resistant
Tested according to DIN EN 71-3 „European standard for toy safety“	

Consumption: 80 – 100 ml/m² per coat

Colours:

- 9010 Birch white
- 7130 Smoke grey
- 7135 Agate
- 7140 Light grey
- 8117 Beam Brown
- 3140 Swedish red

Tintable via the impfra® colour mixing centre: **ROG house colours**
RAL and NCS colours

Base:

- A (white)
- C (transparent)

Pack size	PU	Units per pallet (Product no. W7114)
0,75 L tin	6	77 boxes
2,5 L tin	4	36 boxes
10 L drum	–	30 units

0,675 L tin	6	77 boxes
2,25 L tin	4	36 boxes
9 L drum	–	30 units

Water-based surface coating



profilan-secur Isolierlack silk matt



Water-based primer and top coat with blocking effect against water-soluble wood ingredients.

White primer and intermediate coat as well as finishing coat with blocking effect against wood-discolouring ingredients.

Fields of application: Wooden facades, soffits, car ports, wooden ceilings, Wood panelling as well as windows and doors.

Properties:

- Block-resistant
- High fullness and covering power
- Easy and elegant application
- Barrier effect against water-soluble wood ingredients
- Adhesion to various substrates: galvanised sheet metal, rigid PVC ..
- Quick-drying
- Pollutant-free

Consumption: 80 – 100 ml/m² per coat

Colour: 9110 White

Other colours on request.

Pack size	PU	Units per pallet (Product no. W7055)
0,75 L tin	6	77 boxes
2,5 L tin	4	36 boxes
10 L drum	–	30 units
20 L drum	–	22 units

Water-based surface coating

profilan-PU finish silk matt



PU-reinforced silk matt lacquer for interior and exterior use. Water-based, hard-wearing and block-resistant.

Fields of application: Premium varnish for new and renovation coats, Wall claddings, railings, doors, front doors, windows, etc.
Can be used on old coatings, primed wood, primed steel, primed galvanised steel and primed hard plastics.

Properties:

- Water repellent and lightfast
- Block-resistant
- Good coverage and diffusion
- Gloss-stable and non-yellowing
- Excellent flow properties
- Very easy to apply
- Resistant to common household cleaning agents

Consumption: 80 – 100 ml/m² per coat

Colours: Tintable via the impra® colour mixing centre: **ROG house colours**
RAL and NCS colours

Base: **A (white)**
C (transparent)

Pack size	PU	Units per pallet (Product no. W7055)
0,675 L tin	–	77 boxes
2,25 L tin	–	36 boxes

profilan[®]

SOLVENT-BASED SURFACE COATING



profilan[®]

profilan-Holzschutzgrund B *



Solvent-based primer for exterior wood

Transparent primer with biocidal active ingredients for preventive protection against blue stain, mould, fungi and insects.

Fields of application: Serves to protect statically unstressed wood without ground contact in exterior areas. Against insects, rot and blue stain according to DIN 68800 part 3.

Properties: Tested 4-fold protection against rot, blue stain and insect damage

High penetration

Low odour

Odourless after drying

High protective effect

Consumption: 80 – 100 ml/m² per application

Colour: 0000 Colourless

Pack size	PU	Units per pallet (Product no. W7058)
0,75 L tin	4	77 boxes
2,5 L tin	4	36 boxes
5 L can	4	30 units
20 L drum	–	22 units
200 L drum	–	2 units



* Product/product designation may change for approval-related reasons.

profilan-lasol B* Imprägnierlasur silk gloss



Solvent-based wood preservative stain for exterior use.

Thin-layer, transparent primer and final coat with effectiveness against insects, blue stain and rot according to DIN 68800 part 3.

Fields of application: For the protection and coloured design of wooden construction elements exterior, such as wooden facades, soffits, balconies, fences, etc.
Can also be used as a primer coat in the system with profilan-color.

Properties: Tested 8-fold protection against moisture, UV radiation, rot, blue stain, mould, algae, wood destroyer, insect damage
Good penetration properties No peeling
Moisture regulating High coverage
Accentuates the natural wood grain UV protection
Do not use exclusively colourless for exterior use.

Consumption: 60 – 80 ml/m² per coat

Colours: 0000 Colourless
0101 Light oak
0700 Walnut

Tintable via the impfra® colour mixing centre: **ROG house colours**
Further colours on request.

Pack size	PU	Units per pallet (Product no. W7260)
2,5 L tin	4	36 boxes
5 L can	4	24 boxes
20 L drum	–	22 units



* Product/product designation may change for approval-related reasons.

profilan-color Langzeitlasur silk matt



profilan-color Langzeitlasur Renovationsgrund



Open-pored, highly weather-resistant stain based on vegetable oils.

profilan-color Langzeitlasur Renovationsgrund is a solvent-based semi-covering primer for difficult and uneven wood substrates.

The coating is protected against blue stain and mould with a biocidal agent.

Fields of application: For the protection and coloured design of wooden components in exterior areas. Ideal for renovation work.

Properties:	Highly weather-resistant	Low odour
	Optimised penetration	Good adhesion
	Moisture-regulating	Water-repellent
	Nanobased UV protection	Fast drying
	Application free of build-up	Silk matt
	Do not use exclusively colourless in exterior areas.	

Consumption: 60 – 80 ml/m² per coat

Colours:	profilan-color Langzeitlasur	0000 Colourless
		0005 Light grey
		0101 Light oak
		0200 Pine
		0300 Chestnut
		0700 Walnut
		0710 Walnut
	profilan-color Renovationsgrund	0081 Opal White
		ROG house colours
		RAL und NCS colours

Pack size	PU	Units per pallet (Product no. W7161) (Produkt-Nr. W716111)
0,75 L tin	6	77 boxes
2,5 L tin	4	36 boxes
5 L can	4	24 boxes
20 L drum	–	22 units



profilan-teoma Holzöl silk matt



Solvent-based – for exterior wood.

For moisture protection and care of wood outdoors.
Keeps wood permanently supple.

Fields of application: For the initial treatment and care of wooden facades, garden wood and garden furniture. For softwood, hardwood and pressure impregnated wood.

Properties:

- Freshens up greying wood
- Deep penetrating
- Moisture regulating
- UV protection
- Mould and algae protection
- Water repellent
- Do not use exclusively natural outdoors.

Consumption: 40 – 60 ml/m² per coat

Colours:

- 0009 Natural
- 0210 Douglas fir
- 0270 Bangkirai
- 0800 Teak

Tintable via the impfra® colour mixing centre: **ROG house colours**

Pack size	PU	Units per pallet (Product no. W7264)
0,75 L tin	6	77 boxes
2,5 L tin	4	36 boxes
20 L drum	–	22 units



impratec-sanol IB



Insect control

Solvent-based wood preservative for the control of house longhorn beetles and nail beetles in wood with simultaneous preventive effect against new insect infestation.

Application only by qualified specialist companies.

Fields of application: Ready-to-use product for the control of wood-destroying insects (with the exception of termites) with rapid effectiveness.

Test rating according to approval: Ib – effective against insects.

Active ingredient: Permethrin, polymeric betaine

Properties: Odourless after drying
Protects permanently against insect infestation
Penetrates deeply and quickly

Application: 300 – 350 ml/m² in 2– 3 coats

Colour: 0000 Colourless

Pack size	PU	Units per pallet (Product no. W7323)
5 L can	4	24 boxes
20 L drum	–	22 units
200 L drum	–	4 units



impra® – Colour mixing centre



Choose from several thousand colour your desired colour tone! We mix the desired shade for every project - quickly and easily! Brilliant and cutting-edge colours give your wood an individual touch. Choose your colour from a variety of colour harmonies colour.

Our impra® – colour mixing centre mixes your desired product with the highest colour accuracy. Due to the exact dosage of the colour tones we can remix your lacquers and glazes with colour accuracy even years later.

Surveillance mark of the third party institutes



Preventive wood preservatives for use on load-bearing components in building construction must be approved by the building authorities and externally monitored. Approval is granted by the Deutsches Institut für Bautechnik, Berlin (DIBt) and the products are monitored by the material testing institutes. The effectiveness of these products has been officially tested and evaluated by the Federal Institute for Consumer Health Protection and Veterinary Medicine (BGVV) and the Federal Environment Agency (UBA).



RO-Max technology

The RO-Max technology was specially developed by RÜTGERS Organics. This system offers triple protection through the combined use of special UV-stable binders, organic and inorganic nano-based UV-protective agents. The positive effect of the new technology on the service life of glazed coatings has been confirmed in extensive weathering studies.

GHS

The United Nations Globally Harmonised System of Classification and Labelling of Chemicals (GHS, Globally Harmonized System of Classification, Labelling and Packaging of Chemicals) is a globally uniform system for classifying chemicals and labelling them on packaging and in safety data sheets.

On the basis of this labelling system, a separate regulation was developed for Europe to implement the UN Model Regulations: This regulation (also called the CLP Regulation), entered into force on 20 January 2009. Since 1 December 2010, substances could be classified and labelled according to the GHS standard. Since 1 December 2012, this has been obligatory. Mixtures, previously called „preparations“, may be classified and labelled according to the new system with immediate effect, but do not have to do so until 1 June 2015.

A globally valid classification method with uniform hazard pictograms and texts is intended to minimise the hazards to human health and the environment in the manufacture, transport and use of chemicals or hazardous substances worldwide.

DIN 68800

Preventive chemical wood preservation for Windows and doors according to DIN 68800/1-3:

Since 2012, the revised DIN 68800/1-3 has been in force. For the wood preservation of dimensionally stable and limited dimensionally stable building components has been in force since 2012. This results in some important changes for window and door construction:

The most important changes at a glance:

In principle, structural wood preservation has priority over chemical wood preservation.

New serviceability and durability classes (the current durability classes (the current standard class and duration, quality requirements and the level of stress)).

Chemical wood preservatives are still permitted.

The use of chemical wood preservatives must always be agreed separately with the client and with the client and must be documented.

GENERAL CONDITIONS OF SALE RÜTGERS ORGANICS GMBH:

1. Scope of Application

All supplies and the services associated with them shall be provided exclusively on the basis of these General Conditions of Sale. References made by Buyer to his general terms and conditions are hereby rejected. These General Conditions of Sale shall also apply to all future business. Deviation from these General Conditions of Sale require the explicit written approval of RÜTGERS Organics GmbH (hereinafter „RÜTGERS Organics“).

2. Offer and Acceptance

RÜTGERS Organics's quotations are not binding. The contract is concluded by Buyer's order (offer) and by RÜTGERS Organics's acceptance. In case the acceptance differs from the offer, such acceptance constitutes a new non-binding offer of RÜTGERS Organics.

3. Product quality, specimens and samples; guarantees

3.1 Unless otherwise agreed, the quality of the goods is exclusively determined by RÜTGERS Organics's product specifications. Identified uses under the European Chemicals Regulation REACH relevant for the goods shall neither represent an agreement on the corresponding contractual quality of the goods nor the designated use under this contract.

3.2 The properties of specimens and samples are binding only insofar as they have been explicitly agreed to define the quality of the goods.

3.3 Quality and shelf-life data as well as other data constitute a guarantee only if they have been agreed and designated as such.

4. Advice

Any advice rendered by RÜTGERS Organics is given to the best of RÜTGERS Organics's knowledge. Any advice and information with respect to suitability and application of the goods shall not relieve Buyer from undertaking his own investigations and tests.

5. Prices

The weight or quantities upon departure shall form the basis for calculation of the sales price. RÜTGERS Organics's prices include packaging (except for packaging, which is supplied by way of lending) plus value-added tax at the statutory rate, if applicable. If RÜTGERS Organics's prices or RÜTGERS Organics's terms of payment are generally altered between the date of contract and dispatch, RÜTGERS Organics may apply the price or the terms of payment in effect on the date of dispatch.

6. Delivery

Delivery shall be effected as agreed in the contract. General Commercial Terms shall be interpreted in accordance with the INCOTERMS in force on the date the contract is concluded, unless specifically agreed otherwise. If not explicitly designated as "binding", the offered and/or confirmed delivery dates are non-binding and subject to changes. Unless expressly stipulated otherwise, RÜTGERS Organics is entitled to withdraw from any offer and/or confirmed purchase order if RÜTGERS Organics's suppliers fail to deliver or do not deliver on time.

7. Damage in Transit

Notice of claims arising out of damage in transit must be lodged by Buyer directly with the carrier within 3 days after delivery in writing and RÜTGERS Organics shall be provided with a copy thereof.

8. Compliance with legal requirements

Unless specifically agreed otherwise, Buyer is responsible for compliance with all laws and regulations regarding import, transport, storage and use of the goods.

9. Delay in Payment

9.1 Failure to pay the purchase price by the due date constitutes a fundamental breach of contractual obligations. Unless otherwise agreed, our invoices are due immediately upon receipt and have to be paid within 30 days net.

9.2 In the event of a default in payment by Buyer, RÜTGERS Organics is entitled to charge interest on the amount outstanding at the rate of 9 percentage points above the base interest rate announced by the German Federal Bank at the time payment is due if the amount is invoiced in euros, or, if invoiced in any other currency, at the rate of 9 percentage points above the discount rate of the main banking institution of the country of the invoiced currency at the time the payment is due.

10. Buyer's rights regarding defective goods

10.1 RÜTGERS Organics must be notified of any defects that can be discovered during routine inspection immediately upon receipt of the goods; other defects must be notified immediately after discovery within a period of one year after delivery at the latest. Notification must be in writing and must precisely describe the nature and extent of the defects.

10.2 If the goods are defective and Buyer has duly notified RÜTGERS Organics in accordance with item 10.1, Buyer has its statutory rights, provided that:

- a) RÜTGERS Organics has the right to choose whether to remedy the defect or supply Buyer with non-defective replacement goods.
- b) RÜTGERS Organics may make two attempts according to lit. a) above. Should these fail or cause unreasonable inconvenience to Buyer, Buyer may either withdraw from the contract or demand a reduction in the purchase price.
- c) With regard to claims for compensation and reimbursement of expenses on a defect, item 11 applies.

10.3 Buyer's claims for defective goods are subject to a period of limitation of one year from receipt of the goods. In the following cases the legal periods of limitation apply instead of the one-year period:

- a) liability for wilful misconduct,
- b) fraudulent concealment of a defect,
- c) claims against RÜTGERS Organics relating to the defectiveness of goods that when applied to a building in the ordinary manner caused it to be defective,
- d) claims for damage to life, body and health caused by RÜTGERS Organics's negligent breach of duty, or by wilful or negligent breach of duty on the part of RÜTGERS Organics's legal representative or vicarious agent,
- e) claims for other damage caused by RÜTGERS Organics's grossly negligent breach of duty, or by wilful or grossly negligent breach of duty on the part of RÜTGERS Organics's legal representative or vicarious agent,
- f) in the event of a Buyer's recourse claim based on consumer goods purchasing regulations.

11. Liability

11.1 RÜTGERS Organics shall be generally liable for damages in accordance with the law under the following restrictions: claims for compensation by the Buyer irrespective on the legal cause, which are based on slight negligence of RÜTGERS Organics and do not concern a fundamental obligation are excluded, if RÜTGERS Organics has not accepted a specific warranty. A fundamental obligation is an obligation whose fulfilment forms the basis for a proper execution of the contract and on whose fulfilment the Buyer has typically relied on and may rely on. In the event of a simple negligent violation of fundamental contractual obligations, however, RÜTGERS Organics's liability shall be limited to compensation for typical, foreseeable losses. In the event of a simple negligent violation of non-fundamental contractual obligations, RÜTGERS Organics shall not be liable. The foregoing limitations on liability do not apply to damage to life, body or health.

11.2 RÜTGERS Organics is not liable to Buyer in case of impossibility or delay in the performance of its supply obligations if the impossibility or the delay is due to orderly compliance of regulatory and legal obligations in connection with the European Chemicals Regulation REACH being triggered by Buyer.

12. Set off

Buyer may only set off claims from RÜTGERS Organics against an undisputed or adjudicated counterclaim.

13. Security

If there are reasonable doubts as to Buyer's ability to pay, especially if Buyer is in default of payment, RÜTGERS Organics may, subject to further claims, revoke agreed credit periods and make further deliveries dependent on the provision of sufficient security.

14. Retention of Title

14.1 Simple Retention of Title

Title to the goods delivered shall not pass to Buyer before the purchase price has been paid in full.

14.2 Expanded Retention of Title

In case Buyer has paid the purchase price for the goods delivered but not yet completely fulfilled other debts arising out of his business relationship with RÜTGERS Organics, RÜTGERS Organics retains, in addition, title to the goods delivered until all such outstanding debts have been completely paid.

14.3 Retention of Title with processing clause

In the event Buyer processes the goods delivered by RÜTGERS Organics, RÜTGERS Organics shall be considered manufacturer and shall directly acquire sole title to the newly produced goods. If the processing involves other materials, RÜTGERS Organics shall directly acquire joint title to the newly produced goods in the proportion of the invoice value of the goods delivered by RÜTGERS Organics to the invoice value of the other materials.

14.4 Retention of Title with combination and blending clause

If the goods delivered by RÜTGERS Organics are combined or blended with material owned by Buyer, which has to be considered the main material, it is deemed to be agreed that Buyer transfers to RÜTGERS Organics the joint title to such main material in the proportion of the invoice value of the goods delivered by RÜTGERS Organics to the invoice value (or, if the invoice value can not be determined to the market value) of the main material. Buyer holds in custody for RÜTGERS Organics any sole or joint ownership originating therefrom at no expense for RÜTGERS Organics.

14.5 Extended Retention of Title with blanket assignment

Buyer shall have in the ordinary course of business free disposal of the goods owned by RÜTGERS Organics, provided that Buyer meets its obligations under the business relationship with RÜTGERS Organics in due time. Buyer already assigns to RÜTGERS Organics all claims in connection with the sale of goods to which RÜTGERS Organics reserves the right of retention of title when concluding the sales agreement with RÜTGERS Organics; should RÜTGERS Organics have acquired joint title in case of processing, combination or blending, such assignment to RÜTGERS Organics takes place in the proportion of the value of the goods delivered by RÜTGERS Organics with retention of title to the value of the goods of third parties with retention of title. Buyer already assigns to RÜTGERS Organics any future confirmed balance claims under current account agreements in the amount of the outstanding claims of RÜTGERS Organics when concluding the sales agreement with RÜTGERS Organics.

14.6 Right of Access/Disclosure

At the request of RÜTGERS Organics, Buyer shall provide all necessary information on the inventory of goods owned by RÜTGERS Organics and on the claims assigned to RÜTGERS Organics. Furthermore, at the request of RÜTGERS Organics, Buyer shall identify on the packaging RÜTGERS Organics's title to the goods and shall notify its customers of the assignment of the claims to RÜTGERS Organics.

14.7 Late Payment

In the event of late payment by Buyer, RÜTGERS Organics is entitled, without rescinding the sales agreement and without granting a period of grace, to demand the temporary surrender of the goods owned by RÜTGERS Organics at Buyer's expense.

14.8 Partial Waiver clause

Should the value of the securities exceed RÜTGERS Organics's claims by more than 15%, RÜTGERS Organics waives securities to this extent.

15. Force Majeure

To the extent any incident or circumstance beyond the RÜTGERS Organics's control (including natural occurrences, war, strikes, lockouts, shortages of raw materials and energy, obstruction of transportation, breakdown of manufacturing equipment, fire, explosion, epidemics, pandemics, official orders, acts of government), reduces the availability of goods from the plant from which the RÜTGERS Organics receives the goods such that RÜTGERS Organics can not fulfill its obligations under this contract (taking into account on a pro rata basis other supply obligations), RÜTGERS Organics shall (i) be relieved from his obligations under this contract to the extent RÜTGERS Organics is prevented from performing such obligations and (ii) have no obligation to procure goods from other sources. The first sentence does also apply to the extent such incident or circumstance renders the contractual performance commercially useless for RÜTGERS Organics over a long period or occurs with suppliers of RÜTGERS Organics. If the aforementioned occurrences last for a period of more than 3 months, RÜTGERS Organics is entitled to withdraw from the contract without the Buyer having any right to compensation. In case of force majeure or other unforeseen events, that have not occurred as a result of RÜTGERS Organics's negligence or wilful misconduct, temporarily prevent RÜTGERS Organics or suppliers of RÜTGERS Organics from delivering on time, the delivery dates and delivery periods - whether binding or non-binding - shall be extended and prolonged by the delay period caused by these circumstances plus a reasonable restart period.

16. Place of payment

Regardless of the place of delivery of goods or documents, the place of payment shall be RÜTGERS Organics's place of business.

17. Communication

Any notice or other communication required to be received by a party is only effective at the moment it reaches this party. If a time limit has to be observed, the notice or other communication has to reach the recipient party within such time limit.

18. Data storage

Buyer's data, including personal data that are necessary for business purposes, will be stored, processed and used electronically as far as it is necessary for business purposes and permissible under the German Data Protection Act (§ 28 BDSG). The data will not be passed on to third parties, except for RÜTGERS Organics's service providers, if this is necessary for fulfilling their tasks (e.g. cargo services). According to the German Data Protection Act the Buyer has the right to get information regarding his personal data stored by RÜTGERS Organics. He also has the right to ask for correction, blocking or deletion of his personal data. If the Buyer would like to exercise one of those rights he needs to inform RÜTGERS Organics about his request in writing.

19. Jurisdiction

Any dispute arising out of or in connection with this contract shall be heard, at RÜTGERS Organics's option, at the court having jurisdiction over RÜTGERS Organics's principal place of business or Buyer's principal place of business.

20. Applicable law

The contractual relationship shall be governed by the law applicable at the place of RÜTGERS Organics's head office with exclusion of all international and supra-national (contractual) legal systems, especially of the Law on Sales of the UN. Prerequisites and effects of the reservation of title according to Nr. 14 shall be subject to the law of the respective location of the subject-matter as far as the choice of German jurisdiction is inadmissible and invalid.

21. Contract Language

If these General Conditions of Sale are made known to Buyer in another language, in addition to the language in which the sales contract has been concluded (Contract Language), this is merely done for Buyer's convenience. In case of differences of interpretation, the version in the Contract Language shall be binding.

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