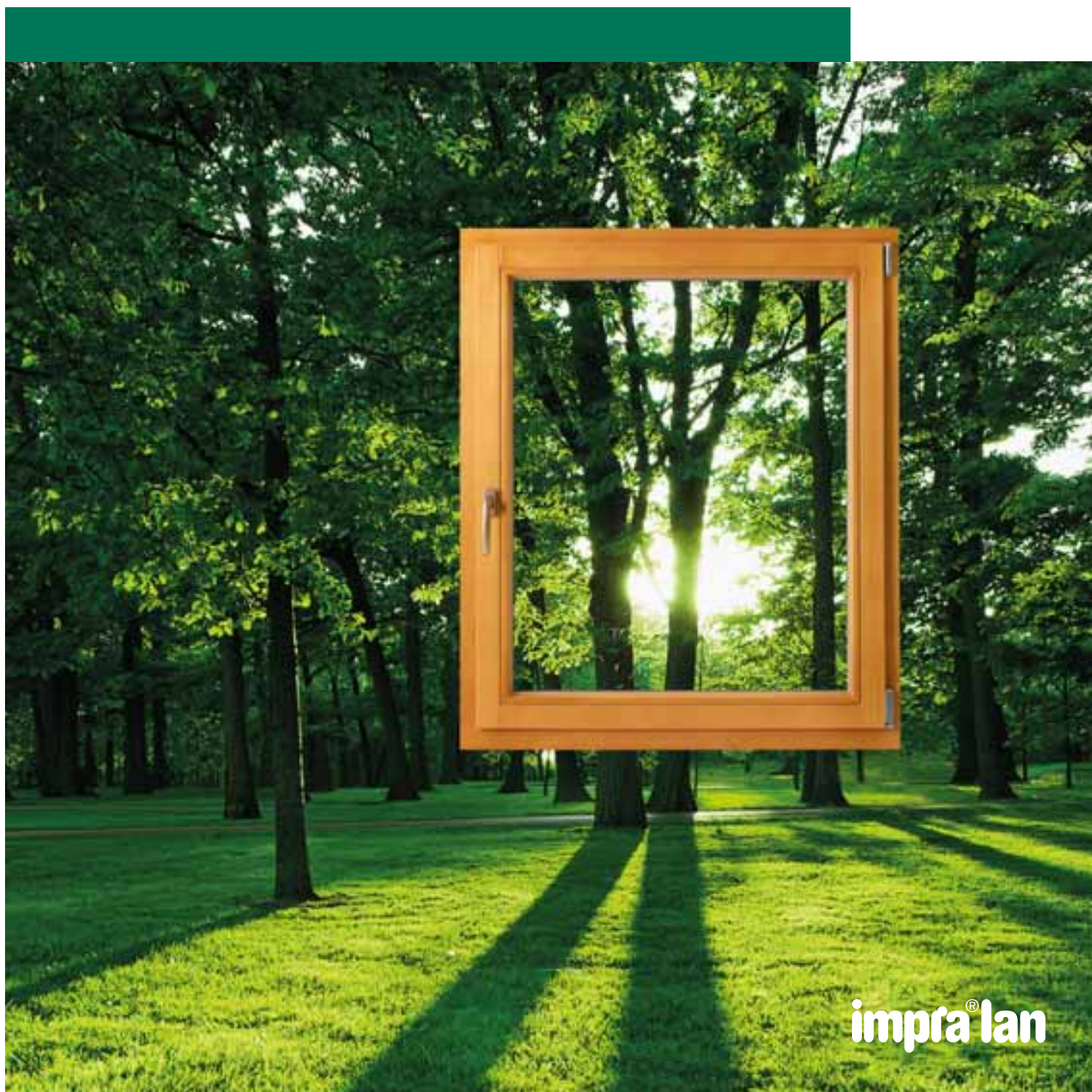


impra[®] lan

Industrial surface coatings



Timber is our passion – since more than 130 annual rings

Over 130 years of experience working with wood as construction material, not a bad reference, considering that this period covers the entire history of modern timber processing. What started off as a business for impregnating railway sleepers; is one of our most important strengths. Working with timber is not a newly opened line of business for us, but our core knowledge.

The issue of high quality surface coatings for timber and the impregnation of wood motivate us, as both areas are gaining more and more importance. We are continuously researching the properties of this natural raw material and developing innovative and eco-friendly products for its treatment.

Today we can proudly say that we are a leader in the areas of impregnation and surface coating of timber.





Superior products for timber!

impra®, the Brand for high quality surface coating systems and timber protection
from RÜTGERS Organics GmbH.

We offer an extensive product portfolio to satisfy the needs and requirements in various areas. The connecting element between our impra® product portfolio is the know-how of our experts, who practically work with and live for timber. All of our solutions and services are based on a sound and deep understanding to the natural resource that is timber.

We supply a comprehensive range of intelligent, innovative and user-orientated solutions for specific market segments to meet the varying requirements of these speciality submarkets. Performance, reliability and quality of the products is our focus. Only innovations that provide a clearly recognizable benefit for the customer, fulfil the highest requirements for quality and reliability, and are also economically viable are used in series production.

Personal proximity, individual problem solutions and sustainable advice create an added value for our customers. We are always nearby. Our structure is aligned to meet the demands and requirements of our markets. For industrial applicators we offer a direct sales structure with lots of know-how and on-site service. Furthermore we offer an extensive product portfolio to the professional processor through our distributors who are selected and trained by us.

Our clear focus: to do the best for wood!

impra®lan – the ideal surface coating system

impra®lan is our water based system for industrial surface coating of timber elements.

Our products are not only attuned to the natural resource timber, but are also designed to fulfil the requirements of highly complex technical applications in production lines. Whether the application is coating windows, balconies, fences or facades: we set out standards at a high level. It's all about the best possible results, a high level of readiness for delivery and competent service on site.

Our experts are familiar with the operating environment and know which solutions are best suited to fit. In addition, our customers have unlimited access to our impra® expertise, for example the impregnation of timber with defined inorganic compounds. We combine protection and optical surface enhancement with sustainable product solutions and offer these to our customers.

Personal on-site service

Our entire sales team, as well as our application engineers and research and development department have one goal: to find the ideal solution to satisfy your needs and requirements.

Delivery capacity

With our own production facility and numerous logistics locations, we guarantee fast and reliable deliveries of the products you require.

Service

Whether the application is a multi-story timber construction, formwork panels or components for the construction of timber structures: our experts are there to support you every step of the way with valuable advice and support, and if required, of course on site.

impra® – Guarantee system

We are permanently improving the workability of our coating systems in order to highlight the sustainability of windows, doors and facades made of wood.

The weather resistance of these wooden elements is checked regularly – in internal and external trials. The necessary tests are carried out in Europe and the USA. It has become evident that the resistance of our coating systems to the exposure of sun, wind, and weather exceeds the legal requirements.

For that reason, we are voluntarily willing to offer extended warranties for our coating systems. These warranties may vary depending on the used structure, type of wood and construction variations.

In addition to our standard warranties, we can supply you with individual warranties, adapted to your requirements taking into consideration the size and location of the construction and also the specific exposure of the wooden elements.

Benefits

- impra®lan are specially designed water borne products to meet the requirements of timber
- impra®lan offers an extensive product range to suit diverse applications
- impra®lan combines optical surface enhancement and ideal protection, among other things, thanks to our practical knowledge of biocides



RO-Max Technology

We have numerous years of experience with timber, in all its facets and forms. We are dealing intensively with the material, with its chemical properties, but also with its „superficial“ characteristics. For us, timber is more than just a surface to be coated - it's alive. Originating in nature, a living tree transforms the greenhouse gas CO₂ into timber and therefore supplies us with a material that can be used in various ways.

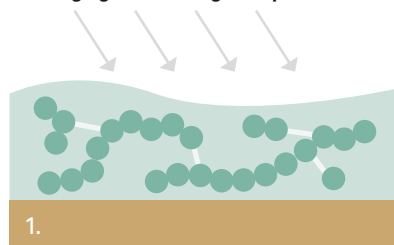
Our products not only extend the options for using this material, but also they help to enhance and increase its lifespan. It goes without saying, that the aesthetic aspect also plays an important role for us!

In the 21st century none of the existing research fields can generate innovations alone. We therefore decided many years ago to co-operate with renowned research institutes both national and international. The development of new surface coating materials takes years of research and testing, in order to evaluate the durability and longevity of our products. To that end we rely on the methods of testing in our own laboratory and technical department, as well as having the opportunity to test in various geological and climatic zones. Not until all the data has been analysed and evaluated are we satisfied that we can offer our customers fully developed and state of the art products.

„Our goal is to reach highest levels of sustainability and closeness to nature by using the minimum amount of chemicals.“

With our RO-Max Technology, an innovative system for permanent surface protection, we have achieved an important step towards longevity and permeability, by influencing the polymers and the UV stabilizers of the surface coating. But we are taking one step further into the future. We can modify the surface, and therefore also improve the general characteristics of the timber.

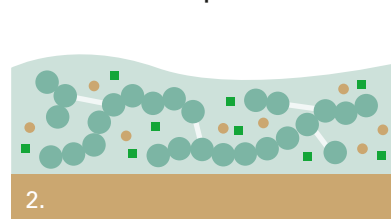
Binding agent with high UV protection



Protection Nr. 1:

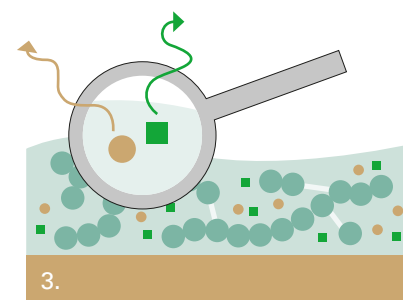
The longevity of the translucent finish is improved by using binding agents with a high level of protection against damaging UV radiation. The binding agents used in our *impra[®]lan* translucent glazes S100 and S150 are insensitive to UV radiation.

2. organic and 3. inorganic light stabilizers on the basis of nano-particles



Protection Nr. 2 and 3:

impra[®]lan translucent glaze S100 and S150 now contain organic and inorganic light stabilizers on the basis of nano-particles, which effectively filter out UV radiation and therefore protect the finish and the wood substrate. The nano-sized light stabilizers, which are indistinguishable to the naked eye, are encased in the layer of the coating film and still provide a high level of transparency. The UV rays are absorbed and changed in to warmth, which is then emitted to the surrounding area, without causing a significant heat build-up in the timber.










































Less is more ...








We attempt to reach the maximum performance with the minimum amount of coating processes. Our experience from long-term exposures shows us, that it is not the number of applied coating processes, but the interaction between the timber and the coating that is relevant to obtain the required high quality levels. The combined knowledge gained from impregnating timber and our projects with our international development partners create new opportunities and possibilities.

impra®lan – as varied as your requirements

impra®lan-products for windows and doors

Our customers can benefit from our experience and extensive knowledge, especially in the areas of industrial surface coating of timber elements with dimensional stability. Our specialists have numerous products at their disposal, well as tips and tricks, to improve performance quality.

Product	Product type	Processing
impra®lan-Grund I100	impregnation for protection against blue stain and rot, with active agent	  
impra®lan-Grund G100	pigmented priming agent with film protection	  
impra®lan-Grund G200	white primer, with active agent	  
impra®lan-Grund G250	white translucent primer, with active agent	  
impra®lan-Grund G300	colourless or pigmented primer for protection against blue stain and rot	  
impra®lan-Grund G400	transparent primer and intermediate coat, with active agent	 
impra®lan-Grund G500	white primer and intermediate coat, with active agent	 
impra®lan-Füller F200	colourless intermediate filler	 
impra®lan-Füller F350	white primer- and intermediate filler, with isolating properties	 
impra®lan-Füller F710	colourless isolating filler	 
impra®lan-Vorlack V100	white intermediate coat, with isolating properties	
impra®lan-Vorlack V200	white intermediate coat, with fast drying properties	
impra®lan-Vorlack V600	colourless sealing primer for MDF	  
impra®lan-Vorlack V710	colourless, isolating intermediate coat	 
impra®lan-Lasur S100/S150	silk gloss / satin finish, film generating glaze	
impra®lan-Natureffektlasur S510	glaze with soft-feel effect	
impra®lan-Lasur S600	film-forming stain for entrance doors	
impra®lan-Decklack D100/D150	silk gloss / satin finish, film generating opaque top coat	
impra®lan-Decklack D400	metallic effect coating	  
impra®lan-Decklack D600	top coat for entrance doors	

Legend:  Flow coating  Roller application  Spray  Brush application  Dip  Vacuum coater  Board painting machine















„impra®lan is adapted to fulfil the needs and requirements of timber elements with dimensional stability. For perfect quality, every time.“

Detlef Guczak
Key Account Manager

impra®lan – products for interior use

Create your living spaces in high quality - water based. Open new and additional creative design opportunities, especially when using products indoors. Regardless of colour diversity or processing details: with impra®lan the options are almost unlimited!

Product	Product type	Processing
impra®lan-Lasur S400	glaze with high filling characteristics	 
impra®lan-Lasur S500/S550	silk gloss / satin finish glaze with high durability	
impra®lan-Natureffektlasur S510	glaze with soft feel effect	
impra®lan-Nadelholzöl S520	timber oil	

Legend:  Flow coating  Roller application  Spray  Brush application  Dip  Vacuum coater  Board painting machine





























„impra®lan – for the highest level of process efficiency in your application.“

Steffen Leuck, Eduard Merkler
Application Engineers

impra®lan – products for garden timber

Timber in the garden is subjected to the harshest elements. Our timber protection knowledge and the right selection of products turn wood into creatively decorated, sustainable long lasting design elements.

Product	Product type	Processing
impra®lan-Lasur T110	porous long-term glaze, in timber and trend colours	   
impra®lan-Flutlack T150	opaque paint for flood application	
impra®lan-Lasur S300	transparent film-forming glaze	  
impra®lan-Decklack D300	medium-build opaque paint with high weather resistance	  
impra®lan-Decklack D400	metallic effect coating	  
impra®lan-Vorlack V120	white intermediate coat with isolating properties	 
impra®lan-Füller F350	white primer- and intermediate filler, with isolating properties	 
impra®lan-Hirnholzversiegelung	end grain seal	

Legend:  Flow coating  Roller application  Spray  Brush application  Dip  Vacuum coater  Board painting machine


































„Especially the combination of protection and surface enhancement of timber open up new opportunities in the market. And all that rolled into on harmonised system.“

Klaus Ritter
Head of the Laboratory

... for timber construction / facades, balconies, roof eaves, prefab houses

The facade is the calling card of the house. The timber here also has to look noble and authentic. Therefore its protection requires special treatment.

Product	Product type	Processing
impra®lan-Grund G250	white translucent primer, with active agent	  
impra®lan-Grund G300	colourless or pigmented primer for protection against blue stain and rot	  
impra®lan-Lasur T110	porous long-term glaze, in timber and trend colours	   
impra®lan-Lasur S300	transparent film-forming glaze	  
impra®lan-Decklack D300	medium-build opaque paint with high weather resistance	  
impra®lan-Decklack D400	metallic effect coating	  
impra®lan-Vorlack V120	white intermediate coat with isolating properties	 
impra®lan-Isoliergrund OSB	isolating primer for OSB	 
impra®lan-Hirnholzversiegelung	end grain seal	

Legend:  Flow coating  Roller application  Spray  Brush application  Dip  Vacuum coater  Board painting machine



„Our products are designed and developed to meet the requirements of industrial application, and stand for performance and satisfaction.“

Klaus Ritter
Head of the Laboratory

impra®lan – additional products

Only a product system, that covers all eventualities, deserves that name from our point of view. Regardless of whether it be during production or in the finishing process, or even to repair: we have thought of everything.

Product	Product type
impra®lan-Flex	plasto-elastic joint sealant, white or translucent
impra®lan-Fugensiegel	plasto-elastic jointing sealant
impra®lan-Feinspachtel	filler
impra®lan-Pflegeset	mild cleaner and maintenance lacquer
impra®lan-Reiniger	cleaning agent for tools and spray equipment
impra®lan-Streichzusatz	brushing additive for thick-layered spray products



„An ideal system is characterised by well thought out supplementary products and additions to the system. Details that focus on reaching the perfect quality levels.“

Elke Pirzer
Sales Export



The timber experts near you

At impra® you can rely on competent specialist advice and personal proximity. Our structure is set up to meet the necessary requirements in the market. For industrial applications we provide not only our direct-sales structure but also know-how and on-site service.

Our sales team differentiates largely from the market. We have material experts, who provide customer assistance when necessary. Our on-site team ranging from the technical engineers in the laboratory, or regular visits by our sales team, we are all focused on one goal: to give you, our customer, the best support possible. Whether it be optimising your production process, or training your employees, we are more than happy to provide assistance. We are close to the material we work with, near to our customers requirements, and always near to the market.

As an additional bonus, you can benefit from the wide range of impra® products our selected dealers have in stock as well as detailed related information.

Please feel free to contact us, we look forward to hearing from you!



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