

ADLER | Window Coatings



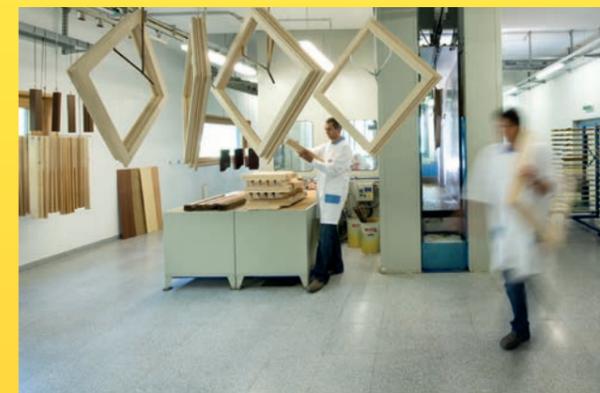
Paint runs through our veins.

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ADLER IS NO.1 WITH WOOD



Photo: Fotolia

ADLER WINDOW COATINGS

Research work on water-thinnable window coatings commenced in the beginning of the 80's at the ADLER factory. These products underwent continuous improvement as the years went by. A perfectly compatible water-based coating system could be created with the advanced development of raw materials in parallel. This is a unique product package of coats and glaze finishes that permit extremely good long-term storage stability thanks to the use of the most modern technologies.

Almost 100% water-thinnable products have been manufactured and processed since many years in the field of window coatings.

ADLER relies on the most proven 3-coat system. This is more than just at par with the prevalent 4-coat system owing to

the sophisticated technology, but it is beyond comparison in terms of quality and cost consciousness on account of the reduction of one coating process.

With the ADLER window coating systems, you have, in any case, a system at your fingertips that lives up to your high demands on quality and user-friendly processing, with minimisation of production costs at the same time. The high degree of recycling also ensures that you make an invaluable contribution to avoiding waste generation and preserving the environment.

Based on ecological assessment, wood is clearly the most environment-friendly material for window frames. Modern ADLER window coating systems and preservative products ensure long stability and ease of maintenance.



GLAZING OR COATING SYSTEMS

system	Products	Special Properties
Glazing system 1	Aquawood TIG HighRes® Aquawood Intermedio tauchfertig Aquawood Dickschichtlasur	Optimal preservation by flow coating with Aquawood Intermedio "All-round sealing"
Glazing system 2	Aquawood TIG HighRes® Aquawood Intermedio ISO Aquawood Dickschichtlasur	Best appearance on highly resinous softwoods, and best build with highly porous hard woods
Paint system 1	Aquawood TIG HighRes® weiß Aquawood Intermedio tauchfertig ADLER Acryl-Spritzlack	Optimal preservation by flow coating with Aquawood Intermedio, "All-round sealing"
Paint system 2	Aquawood TIG HighRes® weiß ADLER Acryl-Spritzfüller ADLER Acryl-Spritzlack	Insulation of resin and wood extractives, high filling capacity
Highly transparent system 1	Aquawood Ligno+ Base Aquawood Ligno+ Sealer Aquawood Ligno+ Top	Higher level of UV protection using nano-scale UV absorbers
Highly transparent system 2	Aquawood Ligno+ Base Aquawood Ligno+ Sealer Aquawood Ligno+ Sealer Spritzfertig Aquawood Ligno+ Top	Higher level of UV protection using nano-scale UV absorbers, and best appearance on high-resin softwoods, and now even for oak wood with natural colour shade for oak.
Oiled system 1 on weather-beaten windows	Aquawood TIG HighRes® Ready for immersion larch oil (2x)	Thin-film, natural surface
Oiled system 2 on wood-aluminium windows	Aquawood TIG HighRes® Aquawood Intermedio tauchfertig Aquawood Lärchenöl Spritzfertig	Matt, natural-finish surface
Natural finish 1 on wood-aluminium windows	Aquawood TIG HighRes® Aquawood Natureffekt	Hard, dull matt, natural surface
Natural finish 2 on wood-aluminium windows	Aquawood TIG HighRes® Aquawood Intermedio ISO Aquawood Natureffekt	Particularly for highly resinous and deeply porous types of wood

GLAZING OR COATING SYSTEMS

Types of wood	Resistance class DIN EN 350-2	Resin seepage possible	Risk of discolouration by wood extractives	Glazing system	Paint system	Highly transparent system	Oiled system	Natural finish
Spruce	4	x		1	1	1	1, 2	1
Pine	3 - 4	xx	x	1	1, 2	1	1, 2	1
Larch	3 - 4	xx	x	2	2	2	1, 2	2
Oregon*	3	xx		1	2	1	1, 2	1
Hemlock	4		x	1	1, 2	1	1, 2	1
Oak*	2-3		xx	2	2	2	2	2
Meranti*	2 - 4		x	1, 2	1, 2	-	-	2
Mahogany*	2		xx	1, 2	2	-	-	2
Teak*	2		xx	1, 2	2	-	-	2
Accoya*	1		x	2	2	-	-	2

xx = Probable | x = Possible

*For certified and resistant types of wood and appropriate constructive protection class (usage categories 3.1 and 2), you may dispense with chemical wood preservation in accordance with DIN 68800. In this case, Aquawood TIG (immersion impregnation) is replaced by Aquawood TG (immersion primer).

SEVEN GOOD REASONS FOR ADLER WINDOW COATINGS

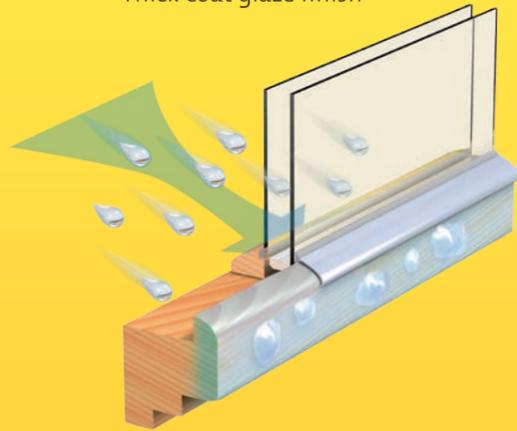
ADLER Aquawood TIG HighRes®



Equalising effect & lignin stabilisation

We have dedicated considerable research work to the equalisation of wooden substrates having varying absorbency. The outcome includes impregnations and glaze finishes, which achieve a uniform and attractive colouration even on problematic types of wood. In addition, Aquawood TIG HighRes® is now provided with lignin stabilisation by default and thus enhances the long service life of wooden windows.

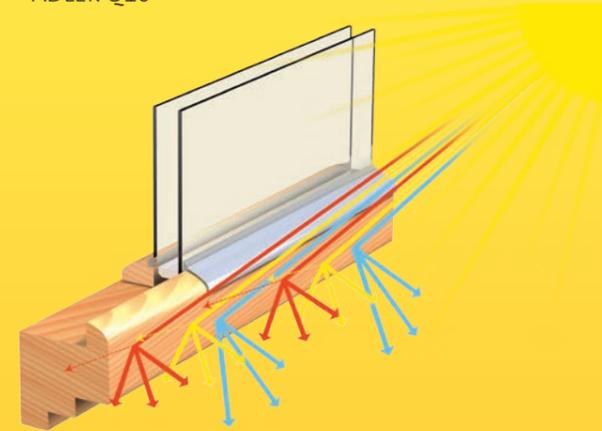
Thick-coat glaze finish



Perfect wet adhesion

Considerable moisture can penetrate into the wood during long rainy periods or with consistently high levels of humidity in rooms indoors. Nonetheless, even under these extreme conditions, paints and glaze finishes of ADLER adhere well to the substrate.

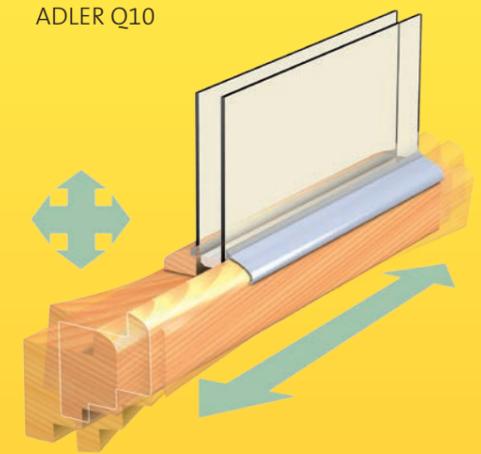
ADLER Q10



Optimal UV protection

All colour shades have been improved substantially with respect to UV protection. Thus, even the lightest shades of glaze finishes block more than 90% of harmful UV radiation. As a result, the process of lignin degradation and, thus, the ageing process of the wood are retarded considerably.

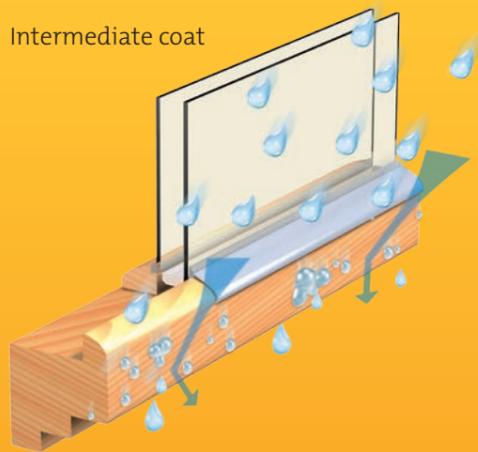
ADLER Q10



Cold elasticity

By using the most modern technologies for the paint formulation, we have been able to enhance the elongation at rupture of the Aquawood thick-coat glaze finish to more than 100% (conventional systems provide about 30%). As a result, the glaze finish film tolerates all movements of the window without getting damaged. The elasticity of the varnish is retained completely even at extremely low temperatures.

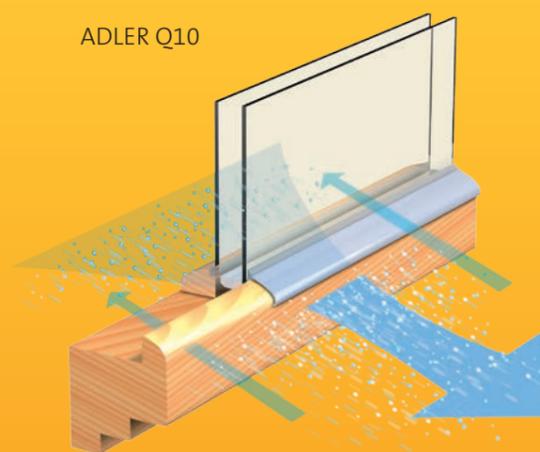
Intermediate coat



All-round sealing

Using the immersion and flow control adjustment of Aquawood Intermedio, you can apply an anti-humidity coat at locations that cannot either be reached easily or reached at all by spraying. In this manner, moisture absorption by the wood is reduced demonstrably.

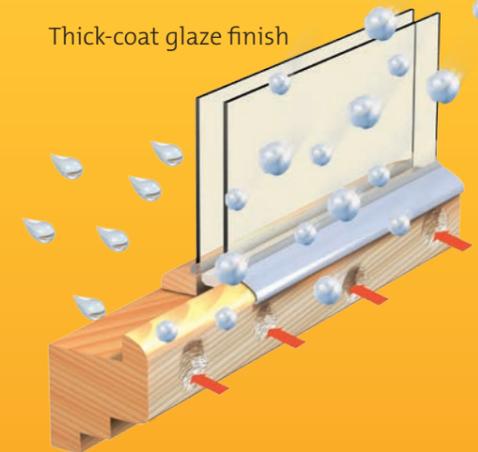
ADLER Q10



Best protection against water flow / high level of water vapour permeability

Conventional glaze finish systems often have weaknesses if they are exposed to water (e.g. rainfall) at an early stage. White spots (blushes) occur in most cases, which, in fact, disappear after drying, but are often reason enough to complain about the surface. This effect is no longer present when you use the innovative formulation and that too with the same level of diffusivity of the glaze finish film.

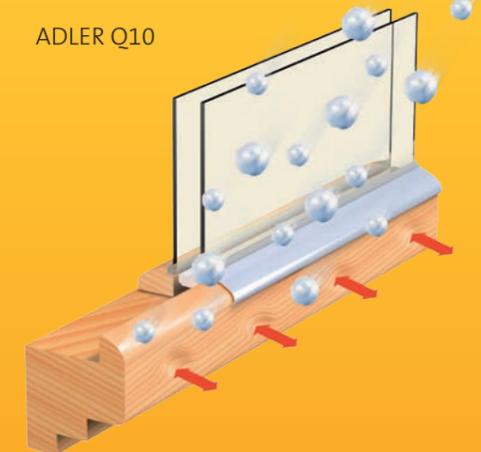
Thick-coat glaze finish



Impact strength

The glaze finish film can provide protection only if it remains intact. Glaze finish films often get damaged when subjected to mechanical stresses, such as, for example, hailstorms, and water and moisture can penetrate undeterred into the wood. The impact strength has been increased substantially with the help of special polymer structures and the coatings are thus, in a better position to withstand mechanical stresses.

ADLER Q10



IMMERSION IMPREGNATION



AQUAWOOD TIG HIGHRES® THE EQUALISER.

We have made it possible to fulfil 3 tasks simultaneously using one product with the Aquawood TIG HighRes® (immersion impregnation).

1. Introduction of chemical wood preservative: With the help of the material combination used, Aquawood TIG HighRes® provides the protection against blueing (Test conforming to EN 152-1) and fungus that destroys wood (Test conforming to EN 113) as specified by ÖNORM B3803 or DIN 68800-3.

2. Colouration: The colouration of Aquawood TIG HighRes® takes place by using high-quality ferrous oxide pigments, which have a significant share of providing UV protection in the entire system and, thus, contribute to the long life of

the wooden window.

3. Equalisation effect: Non-uniform absorption by the fibres, especially by various types of softwoods, invariably leads to formation of spots and stains during impregnation. The equalisation additives offset the spots and marks in the best possible way in order to form a fine and uniform appearance of the stain. Even different wood colours (e.g. of Meranti) are equalised to some extent.

4. Lignin stabilisation: By stabilising the based wood material lignin, the wood is protected against adverse environmental impact and the long service life of windows is enhanced significantly.

Aquawood TIG HighRes®. Only the best for the wood.

Aquawood Tauchimprägnierung is impressive with its outstanding UV protection, equalisation effect and is the guarantee for the best appearance and durability.

Item number	5432 ff
Containers	4 l, 22 l and 120 l

For detailed information regarding processing and application please follow the instructions in the Technical Data Sheet of Aquawood TIG HighRes®

HighRes®



AQUAWOOD TIG HIGHRES® HOLZ-ALU

THE FIRST SUN CREAM FOR WOODEN WINDOWS.

Naturally finished wood-aluminium windows made from domestic softwoods are absolutely in fashion. ADLER has developed this innovation so that they retain their natural character and freshness in the long term.

With the help of HighRes® technology it has been possible to intervene actively in the cellular structure of the wood and to stabilise the lignin as the most important component by using high-quality raw materials. Yellowing of the wood is prevented in this manner, and the natural

appearance of softwoods is retained permanently. Aquawood TIG HighRes® Holz-Alu (wood-aluminium) ensures the necessary chemical wood preservation against blueing (Test conforming to EN 152-1) and fungus destroying wood (Test conforming to EN 113), in accordance with the standard ÖNORM B 3803 or DIN 68800-3. It goes without saying that Aquawood TIG HighRes® Holz-Alu, like all other immersion impregnation of ADLER, can be applied using both the immersion and flow coating methods.

Aquawood TIG HighRes® Holz-Alu. Permanently bright and fresh wood.

Aquawood TIGHighRes® Holz-Alu is the best way to preserve a modern wood-aluminium window and to maintain its natural character in the long run.

Item number: **57625**
Container: 5l, 25l

For detailed information regarding processing and application please follow the instructions in the Technical Data Sheet of Aquawood TIG HighRes® Holz-Alu (Wood-aluminium).

HighRes®

AQUAWOOD TG

THE PERFECT PRIMER FOR RESISTANT TYPES OF WOOD.

Our research laboratory has succeeded in using an entirely innovative type of polymer technology while developing Aquawood TG (immersion primer). Particles in the nanometre range and compatible with one another result in providing a particularly good sagging behaviour with good penetration capacity at the same time. The excellent sagging behaviour on low-absorption types of wood make the

product particularly suitable for hard woods such as, for example, oak or highly resinous softwoods. Aquawood TG has preventive properties against blueing and fungal attack. The colouration of Aquawood TG takes place by using high-quality ferrous oxide pigments, which have a significant share of providing UV protection in the entire system and, thus, give long life to the wooden window.

Aquawood TG. The best for wood.

Aquawood TG (immersion primer) provides outstanding sagging behaviour and is particularly suitable for resistant types of wood such as, for example, oak wood, where you can dispense with chemical wood preservation in accordance with DIN 68800.

BASE COLOUR SHADES FOR THE ADLER | MIX COLOUR BLENDING SYSTEM

Aquawood TG W30	57680
Aquawood TG W40	57681
Aquawood TG Color	57492
Item number	5435 ff
Containers	4 l and 22 l

For detailed information regarding processing and application please follow the instructions in the Technical Data Sheet of Aquawood TG.



INTER-MEDIATE COATINGS



AQUAWOOD INTERMEDIO THE ALL-ROUND SEALER.

The greatest foe of the wooden window is excessive moisture. This looks for construction joints and openings to penetrate into the wood. There is a problem, especially in the glazing rebate, that when using the spray method of application, there are always certain spots where the coating is not formed 100 percent. In addition to this is the fact that the dew point isotherm falls in this region, that is, the water vapour that has penetrated condenses and there is liquid water present. This can penetrate into the wood and cause problems. Aquawood Intermedio can unfold its advantages completely in such a situation. Owing to its

immersion and flow properties, it is in a position to penetrate all regions that can either not be covered adequately or not be covered at all while spraying. Aquawood Intermedio forms a dry coat of approximately 20-30 µm, with the help of which the penetration of any moisture that is present into the wood is prevented. Owing to its high content of solids, it also saturates the cross-grained wood spots in the region of the V-joints and the corner joints perfectly. The sanding effort is minimised as a result of the fibres getting embedded in the film formed and even grinding straight through at the edges is almost impossible.

Aquawood Intermedio. Used for its quality.

The all-round sealer can be used for all structures thanks to its colourless property, and enhances the quality of the entire wooden window coating demonstrably.

Item number	53663
Containers	5 kg, 25 kg and 120 kg.

For detailed information regarding processing and application please follow the instructions in the Technical Data Sheet of Aquawood Intermedio.



AQUAWOOD INTERMEDIO ISO

THE COLOURLESS INTERMEDIATE COATING WITH INSULATING EFFECT.

It has been the best proven product for several years: ADLER Aquawood Intermedio, the intermediate coating for difficult situations. Regardless of whether they are resinous types of wood such as larch or particularly deeply porous types of wood, Aquawood Intermedio provides the perfect appearance and high level of filling power. The researchers at the ADLER paints and varnishes factory have done advanced development work

on this successful product and provided it with additional insulation effect against colouring wood extractives. Now you may use Aquawood Intermedio ISO without any exception on all types of wood, regardless of whether it is meant for glaze finish or opaque structures. This reduces processing costs, working time and is easy on the nerves: Using the spray method of application, you do not need any intermediate coating other than Aquawood Intermedio ISO.

AQUAWOOD INTERMEDIO ISO. THE SUCCESSFUL PROGRESSION.

Thanks to its colourless setting, Aquawood Intermedio ISO is suitable for all structures and it enhances the quality of the entire coating system demonstrably.

Item no.	Description	Application	Filling capacity	Grindability	Insulation	Containers
53663	Aquawood Intermedio		○	++	○	5kg, 25kg and 120kg
53730	Aquawood Intermedio ISO		++	++	+	5kg, 25kg and 120kg

++ Excellent | + Very good | ○ Good

For detailed information regarding processing and application please follow the instructions in the Technical Data Sheet of Aquawood Intermedio ISO.

ACRYL-SPRITZFÜLLER

FILLING POWER AND GRINDABILITY AT THE HIGHEST LEVEL!

ADLER Acryl-Spritzfüller (spray filler) has been developed especially for users who would like to achieve a particularly high level of filling power for opaque coated windows, without having to sacrifice on good grindability in the process. In case of woods that have very high content of

wood extractives such as larch or oak wood, proper insulation effect is necessary and hence, it is recommended to apply an intermediate coating of ADLER Acryl-Spritzfüller. With this, penetration into the wood extractives can almost be ruled out.

ACRYL-SPRITZFÜLLER. ONE FILLER TWO GOOD REASONS.

Acryl-Spritzfüller (spray filler) scores with a particularly high level of filling power and good grindability. With this, your opaque-coated wooden windows have a perfect surface – for several years.

Item number **41002**
Containers 6 kg, 32 kg and 150 kg.

For detailed information regarding processing and application please follow the instructions in the Technical Data Sheet of ADLER Acryl-Spritzfüller.



AQUAWOOD ISOGRIP HIGHRES®

THE ADHESIVE PROFESSIONAL FOR WINDOWS AND WINDOW SHUTTERS.

Wooden windows need to withstand plenty of stress, and especially at winter construction sites they are exposed to enormous stress. The reason for this is that moist air diffuses through the wood from inside to the outside and puts the coating under pressure in such a manner that flaking may occur. Thus, wooden window coatings require adhesion urgently. They get this from the dual-component intermediate coating, ADLER Aquawood Isogrip HighRes®. With outstanding protection against liquid water with a high level of water vapour permeability at the same time, Aquawood Isogrip HighRes® enhances the weather resistance of any coating. In case of moisture penetrating into

the substrate, Aquawood Isogrip HighRes® provides, in fact, better wet adhesion than conventional coatings. It can do still more. As a result of low erection of the wood fibres and slight swelling of the early wood even the grinding effort gets reduced. Equipped with excellent insulation effect, Aquawood Isogrip HighRes® can be used universally on all types of wood and is suitable for opaque and glaze finish structures. Thanks to the sensational adhesion, the window is permanently more resistant to the impact of weathering. This is why ADLER recommends Aquawood Isogrip HighRes® also for surfaces exposed to high levels of stress such as window shutters.

Aquawood isogrip HighRes®. It has a firm grip on wet adhesion.

With Aquawood Isogrip HighRes® the coating of your wooden window bonds three times better than conventional coatings - the decisive benefit on all construction sites at winter time.

Item number	57990
Containers	4 kg and 22 kg
Mixing ratio	100 parts by weight of Aquawood Isogrip HighRes® 57990 7 parts by weight of ADLER Aqua-PUR-Härter (hardener) 82220

For detailed information regarding processing and application please follow the instructions in the Technical Data Sheet of Aquawood Isogrip HighRes®.

HighRes®



FINAL COATINGS



THE Q10 TECHNOLOGY

A STEP IN EVOLUTION AT THE ADLER RESEARCH LABORATORY.

In order to be able to do justice to requirements of wooden and wood-aluminium windows even in the future, our researches have worked on the advanced development of the proven Generation 3. The result: Q10. It is particularly in the construction phase that the conditions for windows become significantly more stringent: Short delivery lead times, high level of construction moisture and mechanical stresses. These are exactly the requirements that modern high-tech coatings must live up to. This is what they do with the Q10 quality of ADLER. Eco-friendliness, excellent resistance to weathering, natural look and a velvety soft grip in the process are taken for granted at ADLER! So far, different coating materials were necessary depending on the method of application

in window coatings. The new Q10 technology enables the processing and use of one and the same material by hand, in the E-static system or with the help of spray robots. A special mixture of select polymer emulsions, the most modern self cross-linking mechanisms and special wet adhesion promoters are the basis for the Q10 technology. Paired with the unique production technology, the "racing horses" among window coatings are created in this manner: After evaporation of the water, chemical reactions take place, which enhance the mechanical resistance considerably and improve the adhesion even on wet surfaces substantially. In addition, the surfaces achieve their final properties 30% faster than conventional coatings.

The benefits of the Q10 technology at a glance:

- ✓ **Saves time and money** – Faster throughput times, particularly with forced drying.
- ✓ **Less transit and installation damage** – Higher bloc resistance and enhanced resistance to mechanical impact.
- ✓ **Flexible high-tech all-rounder** – A coating system for spraying by hand, electrostatic and coating by a spray robot.
- ✓ **The weather protection shield with a diaphragm nature** – High level of water vapour permeability with protection against liquid water at the same time.
- ✓ **Surface with feeling of well-being** – Natural appearance and velvety soft grip.
- ✓ **Healthy indoor atmosphere** – The coating has been tested in accordance with ÖNORM S 1555 and EN 71 for perspiration resistance and saliva-proof properties and hence, it is also not harmful for children.



ACRYL-SPRITZLACK Q10

SPEED MEETS RESISTANCE.

Be it vibrant and bright colours or decent pastel colour shades – nothing is impossible for ADLER Acryl-Spritzlack Q10 (acrylic spray coat). High filling power and weather-resistant ferrous oxide pigments ensure a perfect surface over a period of several years with wooden windows having an opaque coating. When painting wood that is very rich in extractives, such as larch or oak, it is recommended to apply an intermediate coat of ADLER Acryl-Spritzfüller (spray filler). Penetration into the extractives is almost ruled out on account

of the most modern insulating technology. It goes without saying that ADLER Acryl-Spritzlack Q10 is available in all RAL and NCS colour shades. You can also have the metallic colour shades RAL9006 and 9007. This is where Aquawood Protect 53215 provides the best resistance to scratches. Apart from the natural matt degree of gloss setting, you can also blend all RAL and NCS colour shades in the glossy setting using the ADLER colour blending system.

Acryl-Spritzlack Q10. Adds colour to life.

Acryl-Spritzlack (spray coat) Q10 scores with its excellent weather-resistant properties and high coverage. As a result, it guarantees a perfect surface with opaquely painted wooden windows for many years.

BASE COLOUR SHADES FOR THE ADLER | MIX COLOUR BLENDING SYSTEM

Acryl-Spritzlack Q10 W10 M (matt)	43261	Acryl-Spritzlack Q10 W10 G (glossy)	43271
Acryl-Spritzlack Q10 W30 M (matt)	43260	Acryl-Spritzlack Q10 W30 G (glossy)	43270

For detailed information regarding processing and application please follow the instructions in the Technical Data Sheet of Acryl Spritzlack Q10.

AQUAWOOD DSL Q10

WITH THE WOW EFFECT.

Very fast resistance to water ("no blushing"), absolutely water-repellent and good breathing properties nonetheless, high level of mechanical resistance and achievement of the final properties faster by 30%. All these benefits characterise the Aquawood DSL Q10 (thick coat glaze finish) – thanks to the new technology.

Over and above this, it scores with a high degree of luminance, good filling power and proven ADLER quality. Apart from the numerous standard colour shades available, you may blend special colour shades easily and professionally using the ADLER colour blending system and now in three degrees of gloss.

Aquawood DSL Q10. The last word in wisdom.

Aquawood DSL Q10 (thick coat glaze finish) is the best way to protect and give a finish to beautifully shaped windows and to maintain this impression over a long period of time.

BASE COLOUR SHADES FOR THE ADLER | MIX COLOUR BLENDING SYSTEM

Aquawood DSL Q10 W30 M (matt)	51787
Aquawood DSL Q10 W30 M (silky gloss)	59225
Aquawood DSL Q10 W30 G (glossy)	59100

For detailed information regarding processing and application please follow the instructions in the Technical Data Sheet of Aquawood DSL Q10. They can also be blended using the ADLER | MIX colour blending system.



Photo: Internorm



Photo: Internorm



Paint runs through our veins.

AQUAWOOD NATUREFFEKT

INVISIBLE PROTECTION.

A natural look and feel is totally in vogue. For all those who would not like to dispense with the character of raw wood even in their windows, the ADLER research laboratory has created Aquawood Natureffekt (natural effect). It has been developed especially for softwoods, and it leaves the impression that the wooden window has been "sanded merely". The UV filters used, moreover,

prevent ugly yellowing of the wood. Moreover, the surface, when compared to normal thick-coat glaze finishes, is characterised by greater hardness and, thus, is more resistant to mechanical stresses. The dull matt clear coat also has high level of block resistance and resistance to chemicals. ADLER recommends Aquawood Natureffekt particularly for wood-aluminium constructions.

Aquawood Natureffekt. Withstands plenty.

Aquawood Natureffekt (natural effect) unleashes its special character best on softwoods. However, it can also provide attractive optical effects on different types of hardwood.

STANDARD COLOUR SHADES

Farblos (colourless)	53700	Berlin	53954
Paris	53956	Lisbon	53957
London	53955	Barcelona	53958
Stockholm	53950		
Containers	5 kg, 25 kg and 120 kg.		

For detailed information regarding processing and application please follow the instructions in the Technical Data Sheet of Aquawood Natureffekt (natural effect).

AQUAWOOD LÄRCHENÖL

PROTECTED NATURE.

Silky lustre and natural grain accentuation are only two attributes that characterise an oiled larch wood surface. It is, unfortunately, often combined with solvent-based products and uneconomically long drying times. This is not so with Aquawood Lärchenöl (Larch oil) – the only water-thinnable and sprayable wood oil for industrial use. The simplest application method and no "oil contamination" during manufacture make Aquawood Lärchenöl as excellent as the silky surface finish. Owing to the extremely short drying times, Aquawood Lärchenöl can be used

to manufacture oiled surfaces during normal working hours of production units. Aquawood Lärchenöl has been supplemented with a ready-to-immersion variant in order to provide an oiled surface even for wooden windows exposed to harsh weather conditions. Windows treated with Aquawood Lärchenöl can be produced very efficiently using the simple immersion or flow method. Oils that penetrate well and are water-repellent have the effect of specific weathering without causing peeling.

Aquawood Lärchenöl. For timeless design.

Aquawood Lärchenöl (Larch oil) is available in new trendy colour shades and impresses any wood lover with the natural grain accentuation and appearance of the finish.

For wood-aluminium constructions:

Aquawood Lärchenöl Spritzfertig (ready to spray)

BASE COLOUR SHADES FOR ADLER | MIX COLOUR BLENDING SYSTEM

Aquawood Lärchenöl SQ W30	53173
Containers	4 kg and 22 kg
Aquawood Lärchenöl SQ colourless	53180
Containers	5 kg, 25 kg, 120 kg

For windows exposed to harsh weather conditions:

Aquawood Lärchenöl Tauchfertig (ready for immersion).

Aquawood Lärchenöl Tauchfertig	53179
Containers	25 kg

For detailed information regarding processing and application please follow the instructions in the Technical Data Sheet of AQW Lärchenöl.

LIGNO+ SYSTEM



AQUAWOOD LIGNO+ BASE

THE BEST FOUNDATION.

Durability requires a perfect basis. It is this basis for highly transparent coating for wooden windows that is offered by Aquawood Ligno+ Base.

With the help of the HighRes® technology, it has been possible to intervene actively in the cellular structure of the wood and to stabilise the lignin as an important component by using high-quality raw materials. In this manner, the "scaffolding" in the wood is protected from adverse environmental influences and the cellular composition retains its compactness permanently.

Aquawood Ligno+ Base – the first step to success.

Aquawood Ligno+ Base intervenes actively in the cellular structure and conserves the natural colour shade of the wood.

At the same time, Aquawood Ligno+ Base provides the necessary chemical preservative in accordance with the ÖNORM B 3803 or DIN 68800-3 against blueing (test conforming to EN 152-1) and fungus that destroys wood (test conforming to EN 113).

It goes without saying that Aquawood Ligno+ Base, like all other immersion impregnations manufactured by ADLER, can be applied using both the immersion and flow methods.

Item number

57960

Containers

5 l, 25 l and 120 l

For detailed information regarding processing and application please follow the instructions in the Technical Specifications of Aquawood Ligno+ Base.

HighRes®



AQUAWOOD LIGNO+ SEALER TAUCHFERTIG

ALL-ROUND PROTECTION.

The all-round sealing of the window scantling is the main task of the intermediate coat even in the Aquawood Ligno+ system.

The HighRes® technology enables us to achieve excellent protection against water with the intermediate coating. For this purpose, however, it is imperative that the moisture-protecting coat is sealed completely. This is ensured only with the use of Aquawood Ligno+ Sealer. Just as the best known Aquawood

Intermedio, the sealer also reaches all locations, which, while applying a coat by spraying, cannot be covered at all, or can be covered only insufficiently. In this manner, a complete and continuous dry film of approx. 20-30 µm is formed, which covers the window like a second layer of skin, and, thus, prevents the ingress of any moisture. With its perfect flow and sanding properties, Aquawood Ligno+ Sealer is the ideal intermediate coating for high-quality and highly transparent construction.

Aquawood Ligno+ Sealer tauchfertig – the second skin.

Aquawood Ligno+ Sealer Tauchfertig (ready for immersion), increases the life of the wooden window considerably owing to the all-round sealing.

Item number **59110**
Containers 5 kg, 25 kg and 120 kg.

For detailed information regarding processing and application please follow the instructions in the Technical Data Sheet of Aquawood Ligno+ Sealer Tauchfertig.

HighRes®

AQUAWOOD LIGNO+ SEALER SPRITZFERTIG

THE INSULATION ACE.

There may be surface flaws that occur, especially in the case of very resinous types of wood such as, for example, Siberian larch or in case of porous oak wood. The resin also enhances the risk of varnish tear when using water-thinnable glaze finishes. The HighRes® technology makes it possible to achieve perfect surfaces even with highly resinous types of wood. The all-round sealing of the window

scantling is a core task of the intermediate coat even in the Ligno+ system. The partner, Aquawood Ligno+ Sealer Tauchfertig (ready to immerse) takes over this task and guarantees that the moisture-protection film is complete and sealed. By spraying over with Aquawood Ligno+ Sealer Spritzfertig (ready to spray) grinding through is prevented and the resin is insulated perfectly.

Aquawood Ligno+ Sealer spritzfertig – the perfection for larch and oak wood.

Aquawood Ligno+ Sealer Spritzfertig (ready to spray) ensures completely filled surfaces even with highly resinous and porous types of wood.

Item number **59114**
Containers 5 kg and 25 kg

For detailed information regarding processing and application please follow the instructions in the Technical Data Sheet of Aquawood Ligno+ Sealer Spritzfertig.

HighRes®



AQUAWOOD LIGNO+ TOP

EXCELLENT AESTHETICS.

The highly transparent topcoat, Aquawood Ligno+ Top ultimately provides active UV protection. The most modern UV protection agents are used in the process, resulting in perfect transparency of the film with the protective feature at the same time. The revolutionary feature of this technology is the highly constant and

consistent effect of the protection when compared to conventional highly transparent coatings for use outdoors. This unique glaze finish is, of course, suitable for manual spraying as well as spraying with the help of automatic spraying plants.

Aquawood Ligno+ Top – For an excellent appearance.

Aquawood Ligno+ Top protects wooden windows from greying permanently by using the innovative UV filter technology, and is now also available in the color Eiche Natur (Natural Oak).

COLOUR SHADE RECOMMENDATIONS:

Spruce type of wood: Ligno+ Top	59111
Larch type of wood: Ligno+ Top Lärche natur	59141
Oak type of wood: Ligno+ Top Eiche natur	59106
Containers	5 kg, 25 kg and 90 kg.

For detailed information regarding processing and application please follow the instructions in the Technical Data Sheet of Aquawood Ligno+ Top.

HighRes®





Photo: Josko



AQUAWOOD PROTECT

HARDNESS UP TO METALLIC ABRASION RESISTANCE.

Who is not aware of this situation: Both hands full with shopping bags and a hard kick opens the front door; scratches caused by shopping baskets and keys are the order of the day.

Aquawood Protect protects the front doors by its capacity to withstand extreme stress on account of premature abrasion. This silky matt clear coat is particularly suitable for application as the topcoat of painted front doors and

brings about an improvement in resistance to scratches and blocks, and capability to withstand chemicals. These benefits, naturally cannot be ignored even with surfaces having a glaze finish.

When using metallic paints, the final coat applied must be with Aquawood Protect in order to provide better protection to the relatively sensitive surface against mechanical stresses.

Aquawood Protect. Hard, but sincere.

Aquawood Protect prevents the front door from premature abrasion and wear owing to its good UV resistance and high level of resistance to scratches.

Item number	53215
Containers	4 kg and 22 kg
Mixing ratio	100 parts by weight of Aquawood Protect 53215 7 parts by weight of ADLER Aqua-PUR-Härter (hardener) 82220

For detailed information regarding processing and application please follow the instructions in the Technical Data Sheet of Aquawood Protect.

AQUAWOOD MS-SPRITZLASUR & MS-COLOR

THE BREATHABLE.

For elements subjected to extreme exposure (e.g. conservatories) or semi-dimensionally stable components made of softwood such as, for example, window shutters or gate structures, it can sometimes happen, as a result of the special exposure to moisture, that thick-coat systems are stretched to their limits to withstand such stresses. It is for this specific field of application that the ADLER laboratory has developed the medium-film system

(MS). The diffusivity of the film is enhanced considerably by the low thickness of the dry coat. Any moisture that accumulates can, thus, be released easily from the components. Nevertheless, this type of coating has excellent weather-resistant properties and UV protection is 100% by mixing special additives. As is the case with all thin-coat systems, even the refurbishment is very simple.

Aquawood MS-Spritzlasur & Aquawood MS-Color. The Optimum for softwood.

The Aquawood MS systems (medium-film) have been tested by the ofi paint institute in accordance with EN927-2 with excellent results and have been cleared for dimensionally stable components.

Item number	
MS-Spritzlasur (Spray glaze finish)	53205 ff
MS-Color	43900 ff
Containers	5 kg and 25 kg

For detailed information regarding processing and application please follow the instructions in the Technical Data Sheet of Aquawood MS-Spritzlasur and Aquawood MS-Color.



Photo: Josko

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ADLER CARE KITS



ADLER
Paint runs through our veins.

CARE KIT PLUS FOR WOODEN WINDOWS

Preservative system for wooden windows coated with glaze finish based on active cleaning substances and select resins. The durability of water-based paints and glaze finishes is extended by applying one coat annually. Micro-fine cracks and pores of the glaze film are sealed. It is also suitable for preserving garden furniture and has a silky glossy effect on the surface. It can be re-coated easily.

ADLER Top-Finish is not suitable for repairing existing damage to the paint, e.g. hailstorm impact.

PROCESSING

ADLER Top-Cleaner: Pre-clean highly contaminated windows with hot water and addition of slight cleaning agent, e.g. neutral detergent. Apply Top-Cleaner with the cleaning cloth on the entire surface. Wash the cleaning cloth using warm water and soap.

ADLER Top-Finish: Shake ADLER Top-Finish well before use and apply a thin coat of it uniformly, using the cleaning cloth or the ADLER window tool on the flat and dried surfaces that have been pre-treated with ADLER Top-Cleaner. Wash the cleaning cloth using warm water and soap.



Drying time: tack-free after about 1 hour
Yield: approx. 20 m² per litre

ADLER Window Tool: This application cushion for window care facilitates proper application of ADLER Top-Finish. The material is poured into the white bowl and can then be absorbed easily with the ADLER applicator pad. This ADLER Window Tool is suitable for smaller wooden parts and windows and contains an adjustable spacer for the right spacing to the glass in order to avoid coating of the silicone joints. When applying with the ADLER applicator pad alone, large quantities are applied, which is why it is necessary to wipe off the excess using the cleaning cloth.

Contents

- ADLER Top-Cleaner 500 ml
- ADLER Top-Finish 500 ml
- 1 Cleaning cloth
- 2-piece application cushion ("Window Tool")

Item number: **51695**
The contents of the preservative kit can, also be ordered out separately.



CARE KITS FOR FRONT DOORS



Preservative kit for cleaning and repainting front doors with glaze finish or opaque surface. It forms a thin protective film providing protection against dirt and water with a beautiful silky gloss effect. Well-preserved surfaces must be well sanded before undertaking any painting work on them.

PROCESSING

ADLER Top-Cleaner: For deep cleaning, apply ADLER Top-Cleaner flat on the doors either with the cleaning cloth or spray it using the spray head supplied. Wash it with hot, clean water to remove any adherent dirt or contamination.

ADLER Door-Finish: Shake well before use, unscrew the spray head supplied and spray ADLER Door-Finish flat. After about 10 minutes of drying time polish the surface

using the cleaning cloth. Repeat the procedure for a special and clear effect.

We recommend cleaning and preservation twice a year.

Drying time: approx. 15 minutes (Door-Finish)

Yield: approx. 40 m² per litre for 2 x application

Contents

ADLER Top-Cleaner 500 ml
ADLER Door-Finish 500 ml
2 Spraying heads
2 Cleaning and polishing cloths

Item number: **5170917**

The contents of the preservative kit can, of course, also be ordered out separately.

SERVICE PRODUCTS FOR WINDOWS AND FRONT DOORS

If, somehow, something should go wrong, you are well armed with the ADLER service products. We provide everything to you that you need for prompt repair in case of transit or assembly damage.

Standard products for minor touching up

Top-Finish	250 ml	5169714
Top-Cleaner	500 ml	5169612
Door-Finish	500 ml	5170012
Smearing thinner	250 ml	8008514
Clear coat matt spray, G30	150 ml	9632815
Clear coat spray, silky matt, G70	150 ml	9632715
Clear coat spray, glossy, G100	150 ml	9632615
ADLER Isolierspray, white	400 ml	9633937
Cleaning cloth		9621001
Hard wax melter 400/BT		95850 01
Hard wax plane		9591101
Finishing (Emery) paper	grain size 280	9552001
Special brush, Solvamaxx plus	50 mm	9612511
Fine brush	150/P1	9612411
Grilith* hard wax bars in different colour shades		
Grilith* Flex pen (touch-up pens) in different colour shades		
Grilith* wood kit in different colour shades		

Products for refurbishment work:

Application cushion for window tool		9558101
Window tool bowl		9558401
Pullex Aqua-DSL Hanf	125 ml	5150718
ADLER VariColor	125 ml	4120118
Yellow colour paste	100 g	9601101
Red colour paste	100 g	9601001
Black colour paste	100 g	9601701
Wooden stirrer, small		9880601
Can opener		9880701
Fine putty, white	400 g	4109904
Grilith* Flex pen (empty)		9647001
Finishing (Emery) paper	grain size 120	9551501

* Detailed information on the Grilith products visit our homepage: www.adler-lacke.com



WHO
WORKS WITH
HEART AND
SOUL HAS NO
HALF-HEATED
GOAL.



Paint runs through our veins.

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