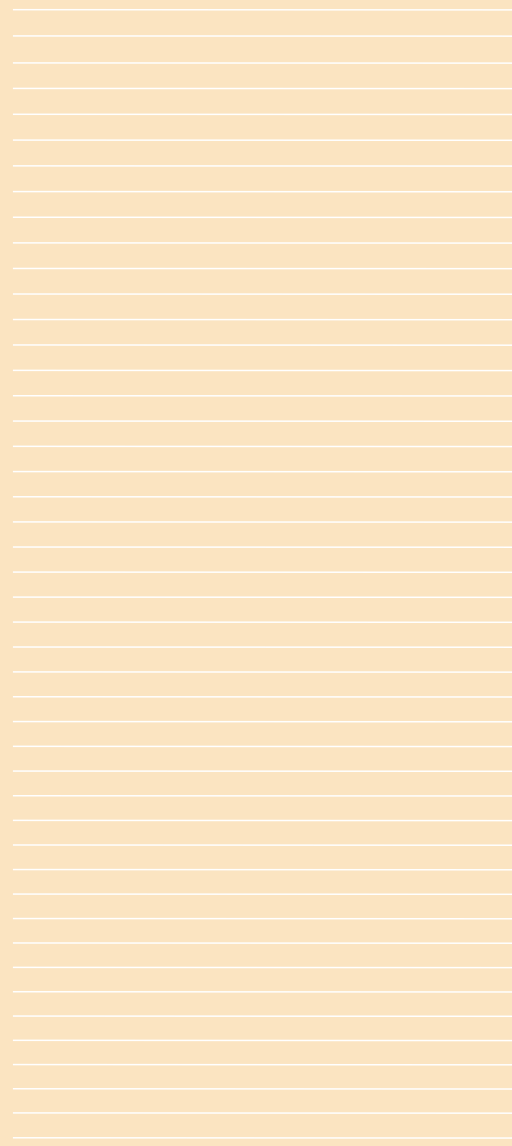




Coatings, stains, waxes and oils

THE VOTTELER STANDARD RANGE



FASZINATION OBERFLÄCHE
STUNNING SURFACES

VOTTELER – A whole world of coating systems

COATING SYSTEMS FOR STUNNING SURFACES

Solvent based Systems

STAINS

NC SYSTEMS

ACID CURING SYSTEMS

POLYURETHANE SYSTEMS

POLYESTER SYSTEMS

UV CURING SYSTEMS

Water based Systems

STAINS

HYDRO 1K SYSTEMS

HYDRODUR® 2K SYSTEMS

UV CURING SYSTEMS

Natural Systems

LIGNATUR®

– OILS

– WAXES

Ancillaries

STRUCTURE EFFECT PASTES

SPECIAL PRODUCTS

Stunning surfaces. For more than 100 years. VOTTELER Lackfabrik

Whether it's wood or plastic, high quality interior structures or car interiors, everywhere you look we are rewriting the story of coatings. And opening new chapters.

Our company is large enough to produce the quantities you need, but small enough to understand that everyone has their own special requirements.

Our three technical application centres provide ideal conditions that enable us to appreciate our customers' needs and simulate our customers' production conditions, provide efficient trouble-shooting and tackle areas for improvement and innovation.

Our adaptable process-controlled manufacturing set-up works in close conjunction with our research and development teams, allowing us to become a flexible system partner.

We operate worldwide and customers from 30 countries value VOTTELER products.

Wood – how we make one of nature's most fascinating materials even more intriguing.



Better Living – naturally with wood.

We love the beauty of wood and we'll do everything we can to enhance and protect it. To preserve wood's unique characteristics, we've developed a range of different coatings.

We cater for the most discerning customer – improving the look, usability and resilience of wood, however you plan to use it.

This means we offer the ideal protection for everything from your furniture, stairs or kitchen units to special coatings exclusively for musical instruments.

Our coatings can be either water or solvent based – our range of stains, fillers, waxes and oils means we have everything covered.

Quite simply, we have everything you could ever need for your wooden surface.

Comprehensive systems for perfect finishes

DELIVERING JUST WHAT YOU NEED – EVERY TIME

Every surface is a challenge.

No matter what you need for your wooden surface, VOTTELER has the right coating for you. Whether you are enhancing its natural beauty or protecting it, in matt or gloss; bringing out the wood's original tone or grain, or adding a hint of colour, we can help.

Because you never compromise, neither will we. Our huge range of products includes water based and natural systems, as well as a wide selection of solvent based options.

Everything we do is focused on providing you with the highest quality products, with optimal processing, to make sure you get the right result, whatever your wooden surface.

And we're excited by change. Our emphasis on research and development means that the very latest know-how and technology goes into all of our coatings.

This approach may mean we come up with something completely new – we never stop innovating to make sure our coatings are always state of the art.

For stunning surfaces.

Contents	
VOTTELER	2
INTRODUCTION	3
CONTENTS	3
PRODUCT RANGE/DESCRIPTION	4 – 5
Solvent based Systems	
EGACOLOR® STAINS	6 – 7
NC	8 – 9
PURIDUR®	8 – 11
VARIOPUR®	10 – 11
MONODUR®	12 – 13
PURIDUR® ADAPTIONS	12 – 13
KH	12 – 13
UV	12 – 13
Water based Systems	
HYDROSTAN®	14 – 15
HYDRO 1K	14 – 15
HYDRODUR® 2K	14 – 15
Natural Systems	
LIGNATUR®	16 – 17
Ancillaries	
STRUCTURE EFFECT PASTES	18 – 19
SPECIAL PRODUCTS	18 – 19
NOTES	19

Solvent based systems

For use wherever such a system is required

Because we know that no-one wants to compromise on quality, sometimes solvent based systems are essential. Our researchers have been working for years to successfully reduce the solvent content in our products, and they are still working! We have a great range of solvent based products, whatever your application.

Stains

Add a splash of colour with our wood stains

Sometimes you'll want to add a little extra to your surfaces with our extensive range of wood stains. These products for solid wood or veneers can be applied by hand, by roller or sprayed to produce brilliant colours and great lightfastness.

Nitrocellulose coating systems

The classic system – introducing our nitrocellulose coating systems

Here's a true classic in furniture coatings and interior design. Bringing out the real character of your wood and creating a beautifully satisfying finish, these coatings are very easy to work with and dry very quickly.

KH coating systems

The universal plastic coating systems

Our solvent based single component KH systems are easy and economical to use. You will be impressed by their good adhesion to various substrates such as ABS, PC, PMMA, PS or PVC, their good chemical and mechanical properties and high covering power, as well as their light stability and overcoatability.

Polyurethane coating systems

Our tried and tested, resilient, 2K polyurethane coating systems

There are certain parts of any interior which face particular wear and tear – think about your tables, or stairs, for example. Anywhere that your wooden surfaces come under special stress, we have a high quality, colourless or pigmented 2K coating to help you out. Highly resilient with excellent resistance to yellowing, our coatings offer great protection from chemical or mechanical stresses. Put simply, our 2K coatings are economical, durable and have a huge range of applications.

Polyester coating systems

Experience shows – our polyester coatings really deliver

The high gloss finish of our polyester coatings systems will turn your wood into treasure! But the really practical benefit of this coatings range is in the protection it provides. The products are highly resistant to scratches and abrasion, and will protect against water, alcohol, acetone and a variety of other solvents. And they have really short curing times. Our polyester coatings are UV curing and available as multi-component systems.

UV coating systems

Drying at the speed of light – our incredible UV coating systems

If you're looking for a UV curing system for your premium wood surface that's fast-drying, great value and environmentally smart – you've found it. Because you can use smaller quantities of our high-solids coatings on your job, you're saving time, money and the planet. Whether your wood is open or closed grain, matt or high gloss, we have the product to deliver. Our durable coating systems are also solvent free. At last, you've seen the light!

Comprehensive systems for perfect finishes

DELIVERING JUST WHAT YOU NEED - EVERY TIME

Water based systems

Where you influence the colour of the wood

Our range of water based systems – from coatings to stains – offers you an array of choices in how you want your wood to look. Whether you are looking for a new surface, to enhance the existing one, or to keep the wood's natural character, we have the right product for you.

Water based stains

Versatile and environmentally friendly, our universal stains are designed to give you a wonderful choice of effects without compromising the environment.

Not only that, they're lightfast and have exceptional depth of colour. Whatever your interior project, and regardless of whether you're working with soft or hard wood, we have the right water based stain for you.

Natural systems

Using natural materials to protect your wood – our natural systems range

Oils, waxes, thinners and specialist products which are all-natural. We've been working with nature's own raw materials to produce our range of high quality oils and waxes. What better way to protect your wood and preserve its natural character than with a product free from organic solvents?

Your wood will be wear resistant, water resistant and easy to clean thanks to the natural protective layer our coatings create. And what's more, you can easily apply these products by hand or by spray application.

SOLVENT BASED SYSTEMS



WATER BASED SYSTEMS



NATURAL SYSTEMS



SOLVENT BASED SYSTEMS

Product Number	Product Designation	Product Description
EGACOLOR® STAINS		
19 981-0-0000	Retarder	Special thinner for colour concentrates 60 500.
60 500-0-0242	Colour concentrate Yellow	Highly concentrated dye solutions for the production of solvent or water based stains as well as for tinting and correcting of EGACOLOR®, PURIDUR® and HYDROPLUS® stains.
60 500-0-0339	Colour concentrate Red	
60 500-0-0515	Colour concentrate Blue	
60 500-0-0989	Colour concentrate Black	
69 453-0-XXXX	EGACOLOR® stain Diverse colours, minimum order quantity on enquiry	Non-roughening solvent based stain, mainly alcohol based. Depending on the adjustment, this stain can produce an even or rustic appearance. Applicable by injection procedure primarily on oak and ash but also on beech. EGACOLOR® stain can be overcoated with all VOTTELER NC, PUR, UV hardening and HYDRO coating systems.
69 453-0-0000	Concentrated thinner	Non-roughening alcohol based concentrated thinner for EGACOLOR® stains.
69 454-0-0000	Concentrated thinner	Fast-drying, non-roughening concentrated thinner for EGACOLOR® stains, mainly alcohol based.

SOLVENT BASED SYSTEMS

Product Number	Product Designation	Product Description
NC COATINGS		
04 005-1-0000	NC Polishing and Buffing coating	Resilient NC polishing and buffing coating with good high build for achieving closed pore high gloss surfaces.
13 060-3/5/7-0000	NC Hard coating	Fast-drying hard coating for opaque coating of NC primed surfaces and/or to achieve an absolutely scratch resistant (ring test) NC coated surface. The coating is resistant to scratching, scouring, water and alcohol and conforms to DIN 68 861/1C.
14 097-3/5/7-0000	NC Multi-layer coating	Versatile high-build NC multi-coat coating. Its fast drying properties and high resiliency allows for a broad spectrum of applications.
PURIDUR® ISOLATING PRIMERS		
30 507-0-0000	PURIDUR® Isolating Primer	High-build primer for tropical and other difficult to coat woods such as yew, to be followed by UPE® coating.
30 513-0-0000	PURIDUR® Isolating Primer	2K polyurethane isolator with excellent adhesion-promoting effect on wood and wooden materials. Ideal under UPE® coatings and for fixing patinating coatings. Suitable for bleached woods.
PURIDUR® ISOLATING FILLERS		
31 015-0-9100/9999	PURIDUR® Isolator White/Black	Quick high-build sandable filler. Universally applicable on wood, MDF and priming foils. This material combines the properties of an isolating primer and a filler for a conventional MDF coating finish.
31 055-0-9100/9999	PURIDUR® FUNDUS White/Black	Quick high-build sandable filler. Universally applicable on wood, MDF and priming foils. This material combines the properties of an isolating primer and a filler for a conventional MDF coating finish. Approval no. 164.112/EC0736/116292.
PURIDUR® FINE SANDING PRIMERS		
32 055-0-0000	PURIDUR® RAPIDO Fine Sanding Primer	High solids PURIDUR® fine sanding base with good high build and fast sanding capability. Specially suitable for closed pore wood coatings and for MDF coatings without primer.
32 075-0-0000	PURIDUR® Fine Sanding Primer	High solids fine sanding primer with very good high build and transparency for closed pore high gloss structures. Also suitable for coarse pore woods.

1 = high-gloss, 3 = semi-gloss, 5 = semi-matt, 7 = antique-matt

Area		Application										Properties				Mixing			Test standards and durability						
Furniture	Stairs/Parquet flooring	Yacht and marine	Glass	Musical instruments	Spraying	Casting	Roller coating	Manual roller coating	Manual application	Vertical spraying	Dipping	High body	Fast drying	Contains UV Absorber	Thixotropic	Hardener Activator	Mixing ratio	Potlife in hours	DIN 68861-1/1B	DIN 68861-1/1C	DIN 68861-2	DIN 68861-4	DIN 4102 B1	IMO Resolution MSC.61 (67)	Decopaint 2010
■				■	■							■	■								✓	✓			
■					■					■			■						✓	✓	✓				
■					■	■				■			■						✓						
■					■							■			38 507	100:100	8								
■					■									■	38 020	100:100	24								
■					■	■				■		■	■	■	38 080 38 553	100:10 100:5	8								
■		■			■					■		■	■	■	38 055	100:20	4 max. 5						✓	✓	
■		■			■							■	■		38 055	100:50	2							✓	
■		■			■							■			38 055 38 057	100:150 100:100	4 max. 5							✓	

SOLVENT BASED SYSTEMS

Product Number	Product Designation	Product Description
PURIDUR® CLEAR COATINGS		
33 056-3/5/6/7/8-0000	PURIDUR® Multi-layer coating	Quick drying and lightfast PURIDUR® multi-layer coating with high abrasion resistance and good chemical resistance.
33 079-7/8/9-0000	PURIDUR® Wood effect	Fast drying multi-layer coating with good sanding properties. This non-accentuating coating system for wood contains UV absorbers and preserves the natural wood character. Covers resinous areas without adding gloss.
33 080-3/5/7-0000	PURIDUR® Multi-layer coating	Premium fast-drying polyurethane multi-layer coating, based on acrylic resins for high lightfast surfaces. Can be applied as a colourless top coat on pigmented PURIDUR® coatings based on 33 080 to achieve ring-scratch resistant surfaces. Good chemical and mechanical resistance.
33 130-3/5/7-0000	PURIDUR® Multi-layer coating	Quick drying multi-layer coating with good sanding capability for wood and wooden materials.
33 320-1-0000	PURIDUR® High gloss coating	Lightfast and high build, high gloss coating with good flow properties. The hardened coating film can be sanded and buffed.
33 500-3/5/7-0000	PURIDUR® Multi-layer coating	Quick drying high build PURIDUR® multi-layer coating with long pot life. The coating film can be quickly sanded and has good chemical and mechanical resistance.
33 550-3/5/6/7/8-0000	PURIDUR® KARAT	PURIDUR® multi-layer coating to meet the highest quality demands, with a wide range of applications on wood, wooden surfaces and plastics. This material has high lightfastness and good filling properties, together with good chemical and mechanical properties. The coating is easy to apply and also suitable for pigmented base coats.
PURIDUR® PIGMENTED COATINGS		
33 055-6-XXXX PU055MP	VARIOPUR® PRIMO Diverse colours, minimum order quantity on enquiry	Premium, pigmented multi-layer coating for effective coating of MDF. This material combines the properties of an isolating base, a filler, a pigmented coating and a colourless topcoat for a conventional MDF substrate. The quick drying, full-bodied polyurethane coating can be easily sanded and is notable for its ring-scratch resistance.
33 800-6-XXXX PU800MP	VARIOPUR® PLUS Diverse colours, minimum order quantity on enquiry	VARIOPUR® PLUS is a user-friendly pigmented coating system for high lightfast, pigmented surfaces with good ring-scratch resistance and good adhesion on diverse substrates. Suitable for priming and overcoating open pore wood species such as ash, oak or for sanded coating effects on primed surfaces.
PU820MP	VARIOPUR® BRILLANT Diverse colours, minimum order quantity on enquiry	Pigmented high gloss coating, excellent high build and fast drying. The hardened coating film can be buffed and polished and is notable for its good chemical resistance.

1 = high-gloss, 3 = semi-gloss, 5 = semi-matt, 6 = antique, 7 = antique-matt, 8 = matt, 9 = flat matt

Area		Application										Properties				Mixing		Test standards and durability								
Furniture	Stairs/Parquet flooring	Yacht and marine	Glass	Musical instruments	Spraying	Casting	Roller coating	Manual roller coating	Manual application	Vertical spraying	Dipping	High body	Fast drying	Contains UV Absorber	Thixotropic	Hardener Activator	Mixing ratio	Potlife in hours	DIN 68861-1/1B	DIN 68861-1/1C	DIN 68861-2	DIN 68861-4	DIN 4102 B1	IMO Resolution MSC.61 (67)	Decopaint 2010	
■			■		■	■		■				■	■	■		38 080 38 553	100:10 100:5	8	✓		✓	✓	✓	✓	✓	
■		■			■								■	■		38 080 38 553	100:20 100:10	5 max. 7	✓				✓	✓		
■					■	■							■	■		38 080 38 553	100:10 100:5	48	✓		✓		✓			
■					■	■							■	■		38 080 38 553	100:10 100:5	48	✓				✓			
■		■			■				■		■		■	■		38 320	100:30	3	✓		✓	✓		✓		
■					■	■						■	■			38 080 38 553	100:10 100:5	72 max. 96	✓		✓	✓				
■		■			■				■		■	■	■	■		38 080	100:10	36	✓		✓	✓	✓	✓		
■			■		■				■		■	■	■	■		38 055	100:50	4	✓		✓	✓	✓			
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■					■				■		■	■	■	■		PU820HE	100:50	2	✓		✓	✓				

SOLVENT BASED SYSTEMS		
Product Number	Product Designation	Product Description
MONODUR®		
34 100-3/5/7-0000	MONODUR® Multi-layer coating	Formaldehyde-free, urethane reinforced single component multi-layer coating with good sanding properties. Suitable for all common woods, wooden materials and veneered chipboard. The coating film is resistant to water, spirits and mechanical influences and is stable against almost all common PVC seals. Test before use.
PURIDUR® ADAPPTIONS		
39 001-0-0000	Adaption for glass coating	Prevents the coating film becoming brittle on glass and improves adhesion on many common types of glass. The following PURIDUR® coatings are suitable for coating glass: 33 056, 33 800 (PU800MP).
39 005-0-0000	MIKROCON® adaption	Adaption for achieving an antimicrobial effect in combination with PURIDUR® coatings, VARIOPUR® PLUS and PURIDUR® multi-layer coating 33 056.
39 800-0-0000	Gloss level adaption	Adaption for increasing the gloss level of VARIOPUR® coatings, 33 800 bases (PU800MP) from 6 = antique to 5 = semi matt.
99 015-0-0000	Delustering agent	Reduces the gloss level of the dried coating film depending on the quantity used.
KH HARD COATING		
43 021-5-XXXX GA021MP	KH hard coating	Fast drying KH hard coating with good self levelling properties. Adhesion to PS, ABS, PC, PMMA and PVC.
UV PRIMERS		
54 139-0-0000	CRY-LUX® Primer	High build UV hardening primer for roller coating, which is notable for its excellent sanding properties. Conforms to IKEA-Norm AA-22309-8 IOS-MAT-0024 2003-09-05.
54 177-0-0000	CRY-LUX® Primer	UV curable primer with high build and good sandability for wood and wooden materials. Due to its high transparency this primer is recommended for dark-stained or dark wood and dark veneers.
UV COATINGS		
54 228-4/5/6/7-0000	CRY-LUX® Coating	UV curing topcoat with high body and a good, even matt finish.
54 238-4/5/6-0000	CRY-LUX® Multi-layer coating	UV curing multi-layer coating for roller coating on wood and wooden materials. This material is notable for its high build, good sandability and excellent mechanical and chemical resistance.
54 318-1/3/5/7-0000	CRY-LUX® Multi-layer coating	UV curable base and top coat for wood and wooden materials with high chemical and mechanical resistance. Can be electrostatically applied.

1 = high-gloss, 3 = semi-gloss, 5 = semi-matt, 6 = antique, 7 = antique-matt

Area		Application										Properties				Mixing			Test standards and durability							
Furniture	Stairs/Parquet flooring	Yacht and marine	Glass	Musical instruments	Spraying	Casting	Roller coating	Manual roller coating	Manual application	Vertical spraying	Dipping	High body	Fast drying	Contains UV Absorber	Thixotropic	Hardener Activator	Mixing ratio	Potlife in hours	DIN 68861-1/1B	DIN 68861-1/1C	DIN 68861-2	DIN 68861-4	DIN 4102 B1	IMO Resolution MSC.61 (67)	Decopaint 2010	
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■				■	■					■			■						✓		✓	✓				

WATER BASED SYSTEMS		
Product Number	Product Designation	Product Description
HYDROSTAN® KIT		
HB115TXOV000535	HYDROSTAN® KIT	The complete HYDROSTAN® KIT, comprises 16 basic elements: - 5 master stains for real wood staining, - 9 colour concentrates for colour staining, - 1 master stain for rustic effect - 1 master stain for positive effect.
HYDRO FILLER		
HC037GP	HYDRO Filler White	High-bodied pigmented base coating for application on wood and wooden materials. Suitable as a filler on isolated MDF parts. Material can be overcoated with many water and solvent based systems.
HYDRODUR® FILLER		
81 036-0-9100	HYDRO Filler White	VOC optimised pigmented HYDRODUR® filler for use on wood and wooden materials (MDF), glass, metal and plastics. The water based filler does not roughen, has high body and is easy to sand. This product can be used with or without hardener and spray for fast and easily application. Applied with hardener it provides good isolation. Can be overcoated with many of VOTTELER's water and solvent based systems. In conjunction with the corresponding veneered and plain chipboards, this filler conforms to DIN 4102 B1 tested for fire properties, low flame spreadability (Approval No.PBWU03-1-16.5-356)
HYDRO COATINGS CLEAR		
84 125-3/5/7-0000	HYDRO Multi-layer coating	Durable HYDRO multi-layer coating with good abrasion and water resistance. The coating film is notable for its good hardness and relatively good elasticity and can be applied on various species of wood and on vertical surfaces.
HC260MK Gloss levels 3, 5, 6 und 7	HYDROPAL®	Durable HYDRO multi-layer coating with high body, good wood accentuation and water resistant properties. The coating is characterised by good hardness and relatively high elasticity. It can be applied on various species of wood and also on vertical surfaces.
HYDRO COATINGS PIGMENTED		
84 160-6-XXXX HC160MP	VARIOHYDRO® CLASSIC Diverse colours, minimum order quantity on enquiry	Durable lightfast HYDRO pigmented coatings for spraying, with high body and opacity as well as excellent cream resistance. For application on primed wood and wooden products.
84 300-6-XXXX HD300MP	VARIOHYDRO® PLUS Diverse colours, minimum order quantity on enquiry	VARIOHYDRO® PLUS is a durable water soluble 2K pigmented coating system for application by spraying. It has high body and good opacity, together with light resistance.

3 = semi-gloss, 5 = semi-matt, 6 = antique, 7 = antique-matt

Area		Application							Properties				Mixing			Test standards and durability									
Furniture	Stairs/Parquet flooring	Yacht and marine	Glass	Musical instruments	Spraying	Casting	Roller coating	Manual roller coating	Manual application	Vertical spraying	Dipping	High body	Fast drying	Contains UV Absorber	Thixotropic	Hardener Activator	Mixing ratio	Potlife in hours	DIN 68861-1/1B	DIN 68861-1/1C	DIN 68861-2	DIN 68861-4	DIN 4102 B1	IMO Resolution MSC.61 (67)	Decopaint 2010
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■					■							■	■												✓
■					■							■	■		88 040	100:5	4						✓		✓
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■					■					■		■	■	■	HD800HE0 V000615 88 160	100:7 100:2	4 72		✓	✓	✓				✓
■			■	■				■		■	■				88 160	100:2	72		✓	✓	✓				✓
■			■	■					■		■		■	■	88 300	100:10	1 max. 2	✓		✓	✓				✓

NATURAL SYSTEMS

Product Number	Product Designation	Product Description
OILS & WAXES		
72 509-0-0000	Hard oil for flooring	Fast-drying hard oil, based on natural oils with high resilience and abrasion resistance. On natural surfaces good wood accentuation and diffusibility can be achieved.
75 550-0-0000	LIGNATUR® High solid oil	High-body transparent single layer oil with a typical waxy surface and a uniform surface appearance. LIGNATUR® high solid oil is based on natural oils and is characterised by relatively high resistance to water. It acts as a surface hardener, is diffusible and prevents electrostatic charging. LIGNATUR® high solid oil keeps the wood in its natural form and is especially suitable for interior use on fine pored woods such as beech, alder, maple and cherry.
82 502-0-0000	LIGNATUR® Adhesive base	LIGNATUR® adhesive base is a water soluble, moisture-resistant durable base made from natural resins for use on solid wood interior furniture. Due to the low wood accentuation, an even and balanced surface effect can be achieved. The solvent free primer is characterised by its rapid drying, good sandability and application properties. Oils and waxes from the LIGNATUR® series are suitable for top coating.
99 022-8-0000	Antique wax	Antique wax containing beeswax, adjusted for ready to spray application and giving a waxed effect after drying. The surface is then treated with a soft horsehair brush to optimise the effect. The surface film is water and alcohol resistant.

8 = matt

Area		Application										Properties			Mixing		Test standards and durability								
Furniture	Stairs/Parquet flooring	Yacht and marine	Glass	Musical instruments	Spraying	Casting	Roller coating	Manual roller coating	Manual application	Vertical spraying	Dipping	High body	Fast drying	Contains UV Absorber	Thixotropic	Hardener Activator	Mixing ratio	Potlife in hours	DIN 68861-1/1B	DIN 68861-1/1C	DIN 68861-2	DIN 68861-4	DIN 4102 B1	IMO Resolution MSC.61 (67)	Decopaint 2010
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ANCILLARIES

Product Number	Product Designation	Product Description
STRUCTURE EFFECT PASTES		
39 010-0-0020	Structure effect paste fine	The addition of the structure paste to coating gives the hardened coating film a textured effect. The paste can be used in combination with colourless and pigmented coatings.
39 010-0-0030	Structure effect paste medium	
39 010-0-0040	Structure effect paste coarse	
SPECIAL PRODUCTS		
00 510-0-0050	Primer Beige Grey	Chromate-free 2K Primer with particularly good anti-corrosive properties and good adhesion on critical substrates such as aluminum, copper, galvanized sheet metal, various plastics etc. For permanent corrosion protection, coating with a topcoat is required.
00 510-0-0051	Hardener	Hardener for primer
49 004-0-0000	Cleaning solution	Mild cleaning solution suitable for solvent sensitive plastics.

Area		Application										Properties		Mixing		Test standards and durability									
Furniture	Stairs/Parquet flooring	Yacht and marine	Glass	Musical instruments	Spraying	Casting	Roller coating	Manual roller coating	Manual application	Vertical spraying	Dipping	High body	Fast drying	Contains UV Absorber	Thixotropic	Hardener Activator	Mixing ratio	Potlife in hours	DIN 68861-1/1B	DIN 68861-1/1C	DIN 68861-2	DIN 68861-4	DIN 4102 B1	IMO Resolution MSC.61 (67)	Decopaint 2010
					■											00 510 -0-0051	100:50	16 max. 24							

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Our information provides suggestions for possible applications based on practical experience and tests. It is not comprehensive and is offered without warranty.

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Errors and omissions excepted.
Subject to technical amendment.

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