<table>
<thead>
<tr>
<th>Base Coats</th>
<th>Primers</th>
<th>Stain</th>
</tr>
</thead>
<tbody>
<tr>
<td>clear PU lacquers, clear</td>
<td>S. 12</td>
<td>HYDRO stains S. 28</td>
</tr>
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<thead>
<tr>
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<tr>
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<td>S. 16 HYDRO lacquers, coloured</td>
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<tr>
<td>S. 19</td>
<td>HYDRO stains S. 28</td>
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<thead>
<tr>
<th>Finishing and Multi-Coat lacquers</th>
<th>Effect lacquer</th>
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</thead>
<tbody>
<tr>
<td>clear PU lacquers, clear</td>
<td>S. 36 HYDRO PU lacquers clear</td>
</tr>
<tr>
<td>HYDRO-UV lacquers, clear</td>
<td>S. 41 UV lacquers, clear</td>
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<tr>
<td>UV lacquers, clear</td>
<td>S. 50</td>
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<tr>
<td>S. 55 HYDRO lacquers, clear</td>
<td>S. 52 Oils/waxes, clear</td>
</tr>
<tr>
<td>S. 48</td>
<td>S. 54</td>
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<th>Effect lacquer</th>
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<td>S. 56 HYDRO PU lacquers coloured</td>
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<td>HYDRO-UV lacquers, coloured</td>
<td>S. 59 UV lacquers, coloured</td>
</tr>
<tr>
<td>S. 63 HYDRO lacquers, clear</td>
<td>S. 64 Oils/waxes, coloured</td>
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<tr>
<td>S. 62 HYDRO lacquers, coloured</td>
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<table>
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<tbody>
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<tr>
<td>S. 69</td>
</tr>
<tr>
<td>coloured PU lacquers, coloured</td>
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<tr>
<td>S. 71</td>
</tr>
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</table>
To be the partner of choice for providing professional surface-design solutions “made in Germany” for our customers in industry, craftsmanship and trade because:

- everything we do revolves around providing high-quality solutions for our customers,
- by working closely with our customers and suppliers we overcome even the greatest of individual challenges,
- we offer a comprehensive package of services in our markets – and as such provide more than just products,
- we continually set trends in surface design,
- we take our responsibility towards people, the environment and materials very seriously,
- we are a capable and friendly family company to deal with.

Our internal and external dealings with customers and staff are accompanied by clearly formulated rules of collaboration. The consequential elimination of waste and the lean manufacturing 5S concept lead to continuous improvement.
From Hamm around the world – every day Hesse produces around 100 tonnes of lacquers and stains based on 45,000 different formulations. Our strategic product development activities place special emphasis on ecologically friendly water-based lacquers, modern UV systems and products from sustainable raw materials. Traditional products such as nitrocellulose- or solvent-based PU lacquers constitute the foundations. Hesse’s quality management system, certified in accordance with DIN EN ISO 9001:2008, ensures a consistently high level of service.

The most up-to-date production lines allow high-quality products to be manufactured safely. Quality at Hesse is firmly rooted in all our processes. Safety considerations and reviews are set in motion even during the development of new products or processing techniques. A team of experts from development, planning, production, health and safety, environmental protection, fire prevention and technical supervision ensures implementation. Continuous improvement of health and safety at work, creating a healthier work environment and employee satisfaction are the keys to success.
THE ON-SITE PAINT FACTORY

Paint Express Color Center

Need a competent partner when it comes to designing individual colour schemes for furniture and interior fittings? A partner with creative advice who determines, professionally nuances and quickly delivers colour tones? Your Paint Express Color Center has 20,000 formulations and provides you with an almost unlimited variety of tones on the most diverse colour cards! It allows you to nuance your selected colour tone to your individual specifications!

Precision, speed and ease of use are what count when mixing colour. Our mixing systems and mix configurations take account of all these factors.
Our latest mixing systems and software solutions guarantee that your colour tones are reproducible. Your dealer will deliver each colour tone to you at any time in the desired amount.

Our colour lacquers are either reliably mixed using the Paint Express Flexi Mix mixing rack and a classic lacquer-in-lacquer production process.

Or even more simply with our fully automatic Paint Express Profi Mix paste mixing system:
- Precise
- Fast
- Always reproducible
- Virtually every colour tone
- Opaque or transparent

This is what your on-site paint factory can offer:
- UNA-Color, semi matt
- UNA-Color, matt
- UNA-Color, silky gloss
- UNA-Color, metal marking resistant
- UNA-Color for spreading
- PU pearl structure lacquers in coarse, medium, fine and very fine
- PU nap structure
- PU coloured glass lacquer
- PU metallic lacquer
- PU metallic glass lacquer

Additionally using the Paint Express Profi Mix paste mixing system:
- PUR-Brilliant Color, high gloss
- PUR-RAPID COLOR
- RSB 2C-Reactive coloured lacquer
- HYDRO PRO-Color, semi matt
- HYDRO PRO-Color, matt
- HYDRO PRO-Color, pearl structure
- HYDRO-PUR Color, semi matt
- HYDRO-PUR Color, matt
- HYDRO-PUR Pearl structure, medium
- HYDRO-PUR Glass lacquer

Paint Express Stain Mix

You can use our stain mix system not only to produce virtually all standard Hesse stain tones, e.g., from stain sample cards, but also to produce set colour tones from other colour tone ranges.

All colour and pigment concentrates, binders and additives required for you to produce these stains are amalgamated into one basic range. Your support dealer can use the Paint Express Stain Mix system to quickly and reliably supply you with a broad palette of stains coordinated to your bare wood.

This is what your on-site paint factory can offer:
- Precious wood stains
- Base coat stains
- Coloured stains
- Positive stains
- Gloss stains
- Hydro-rustic stains
- Parquet flooring stains
- Solvent stains

Paint Express Colorimetry

The Hesse colorimeter enables the measurement, formulation and dispensing for covering systems all in one program.

An absolute highlight is that you can now even use colorimetry to record and formulate stain colour tones and glazes. Colorimetry involves a portable spectral photometer. This enables colour measurement on a wide variety of substrates, including wood. Mobile colorimetry even makes it possible to take colorimetric readings on fixtures and fittings.
CERTIFICATES

Furniture surfaces according to DIN 68861
This German standard allows classification according to different loads, distinguishing the properties and therefore the quality of a coating. DIN 68861 comprises the following parts:

- Part 1: Behavior under chemical loads (EN 12720)
- Part 2: Behaviour under abrasive loads
- Part 4: Behaviour when scratched
- Part 6: Behaviour in the case of cigarette burns
- Part 7: Behaviour with regard to dry heat (EN 12722)
- Part 8: Behaviour with regard to moist heat (EN 12721)

For some parts of DIN 68861 there have been European successor standards since 1997. These are, however, purely test specifications that do not contain any classification and are not accepted in practice up to now.

That is why Parts 1, 7 and 8 withdrawn from DIN 68861 were republished in April 2001, whereby stipulations not contained in the European standards were included and thus classification by load groups is now possible again.

The most frequently used section of DIN 68861 is Part 1. In order to simulate practical chemical loads on ready-to-use furniture surfaces and depending on the load group, up to 26 different test media (including food, normal household chemicals and detergents) are applied over specific time periods to the surface to be tested and the changes to the surface are assessed after the respective exposure time. Classification is into the load groups 1A (highest) to 1F (lowest). Physically drying lacquer systems are generally classified into load group 1C; chemically cured and therefore higher quality coatings into 1B.

Cytotoxicity testing
Various medical products, from walking frames to the fabric covers on wheelchair backrests, have to meet specific bio-compatibility test requirements. This also includes all wood and furniture surfaces with which hospital patients come into contact. Our coating material is therefore applied onto a plate of glass and inspected by an independent testing institute as per the biological testing scope of EN ISO 10993-1:2003. Proper use of the product includes contact with intact skin over a period of less than 24 hours. A cytotoxicity test according to EN ISO 10993-5 (1999) – a test for cell-damaging effects – is considered to be adequate. This investigates – in vitro – the reaction of specific cells to the test specimen.

Anti-microbial coatings
These can be used on all surfaces where particular emphasis is placed on hygiene and health. Using silver particles in lacquer creates coatings which – once applied as a top coat on a surface – lastingly and highly effectively combat bacteria and germs, without releasing disinfectants or other chemical substances. Only the advances in nanotechnology have made it possible to produce silver particles sufficiently fine as to no longer be visible in clear lacquer systems. Our UNA-PUR anti-bacterial range was successfully tested by an independent institute for its antimicrobial effectiveness under the JIS Z 2801 standard and demonstrated very strong antimicrobial properties. More recently these lacquer systems with anti-microbial effects have to be registered with the Federal Institute for Risk Assessment (BfR). Future lacquer systems must even undergo an official approval process before they can be classified as anti-microbial.

PVC-resistance test
There is no binding standard for this test. Examination of the impact of PVC sealing profiles with wood coatings according to the Rosenheimer Directive offers a practical procedure. This method involves placing normal market sealing profiles under weight load between pieces of lacquered wood and storing them for 14 days in a climatic chamber at 50 °C. Assessment of resistance is based on the criteria of bonding, softening and discolouration.

Toy safety
Migration of certain elements according to DIN EN 71-3:2014-12. This European standard with the status of a German standard defines a test procedure and limit values for the migration of toxic elements (such as arsenic, barium, lead, cadmium, chromium, mercury and others) from the surface materials of toys. A sample of the coating to be tested is extracted using dilute acid, whereby the conditions for retention of the substance in the digestive system correspond to swallowing. The proportion of the solute and thus biologically available elements is quantitatively determined, converted to 1 kg of toy material and compared with the specified threshold value for each element. The requirements of DIN EN 71-3 are only met if all of the limit values are below target. The number of elements to be evaluated was significantly extended in the version dated December 2014 and the possibility of self-classification by the manufacturer is thus limited. In most cases an external audit is now required.

Determination of the colour fastness of commodities according to DIN 53160
The previous DIN 53160 (test of colourful children toys for saliva and sweat resistance) was withdrawn in 1994 and not replaced. In October 2002, a new version extended with additional commodities was released in two parts: DIN 53160-1: Determination of the colour fastness of commodities – Part 1: Testing with simulation of saliva

This procedure is particularly intended for those commodities that are meant to be placed in the mouth or where it is predictable that they will be placed in the mouth or come into contact with mucous membranes. This test is used to determine whether the colour medium can be transferred from the commodities into the mouth or onto mucous membranes. DIN 53160-2: Determination of the colour fastness of commodities – Part 2: Testing with simulation of sweat

This procedure is particularly intended for those commodities that are meant to or where it is predictable that they will come into contact with skin. This test is used to determine whether the colour medium can be transferred from the commodities onto the skin. The test procedure involves impregnating strips of filter paper with the simulation solutions, laying these on the test sample and covering them with adhesive tape. After two hours of exposure at 37 °C, the paper strips are removed, dried and checked for possible dye transfer. The evaluation is performed by comparison with the grey scale, whereby the colour intensity is specified as a level on the grey scale (level 1 = strong discolouration to level 5 = no discolouration).
Determination of formaldehyde release

according to the DIN EN ISO 12460-3 gas analysis procedure (successor standard to DIN EN 717-2; Version 01/1995). This European standard specifies a method for determining the accelerated release of formaldehyde from wood materials. This method introduces a sample into a chamber in which the temperature, air humidity and air flow can be set to defined values. The formaldehyde released from the sample is continuously removed with the air from the chamber via gas washing bottles filled with water in which it is absorbed and then quantitatively determined. The concentration, sampling time and surface of the sample are used to calculate the formaldehyde release and express it in milligrams per square meter per hour.

Requirements for objects that come into contact with food

This tests whether painted surfaces meet the requirements of Article 3 of Regulation (EC) No 1935/2004 and §§ 30 and 31 of the Foodstuffs and Commodities Act. The procedure is very specific and extensive. It includes both analytical and organoleptic tests and confirms that surfaces coated in this way do not release substances that are likely to cause harm to human health or adversely affect the smell and taste of foods.

Determination of residual emission of VOC

Freshly coated wood and furniture surfaces still emit small quantities of the enclosed solvents after production – in ever decreasing intensity. In order to measure these volatile organic compounds (VOC), coated parts are placed in standardized test chambers and stored under defined conditions (temperature 23 °C, relative humidity 45 %, space load 1 m²/m³, air exchange 1/hour). Once the state of equilibrium is set, the emitted substances are absorbed in sample collectors and determined qualitatively and quantitatively after extraction.

„Deco paint regulation“ - ChemVOCFarbV

The „Solvent-based paint and varnish regulation (ChemVOCFarbV)“ – better known under the term „Deco paint“ regulation – is the implementation of the EU „Deco paint“ Directive 2004/42/EC into German law and applies under the VOC Ordinance (maximum solvent consumption 5 tonnes per year in Germany). It relates to the coating of components like windows, doors, floors, stairs and wall and ceiling coverings. Furniture is exempted from the „Deco paint“ regulation. This marketing regulation has applied since 1 January 2007. The thresholds were lowered on 1 January 2010 and have since remained unchanged. As a producer of lacquers, since January 2007 we may only market products for applications in the scope of the „Deco paint“ regulation has applied since 1 January 2007. The thresholds were lowered on 1 January 2010 and have since remained unchanged. As a producer of lacquers, since January 2007 we may only market products for applications in the scope of the „Deco paint“ regulation in which the stipulated maximum VOC content is not exceeded. These thresholds apply to the ready-to-use product, i.e. including all necessary hardener, thinner and additives. The „Deco paint“ regulation also defines 12 product categories with thresholds for solvent-based and water-based products. Since 2017 manufacturers must furnish all „Deco paint“ compliant materials with specific information on the product label. The label must contain information in a horizontal and readable manner on the valid VOC threshold value for the respective product category, the actual maximum VOC content of the ready-for-use product (including hardener, thinner and additives) and the underlying product category.

Examination of the fire behaviour of painted surfaces/components

The fire behaviour of inflammable materials is determined by various tests on a country-specific basis. In some cases the individual tests differ significantly. Therefore the results can only be compared in exceptional cases.

Germany: Fire behaviour of building materials and structural elements according to DIN 4102: Fire tunnel test; B 1 = flame retardant

France: Fire behaviour of building materials and structural elements according to NFP 92503 M1

England: Fire Safety under British Standard BS 476

Europe: Fire behaviour of building materials and structural elements according to DIN EN 13501-1

Here the classifications „C“ and „B“ correspond to the result „B1“ under DIN 4102!

Fire behaviour according to IMO Resolution A.653(16)

Under European Directive 96/98/EC on marine equipment, to fulfill the International Convention for the Safety of Life at Sea (SOLAS 74) ship equipment has to be assessed and approved according to stipulated methods. This also includes coatings for fixtures and fittings, whereby the flame retardancy of the coatings has to be demonstrated according to the criteria of IMO Resolution A.653(16). Paint will only be issued with an EC type examination certificate by a recognised accreditation body after presentation of a positive test report and audit of the operational production process (QA certificate). This approval is valid within the European Union in connection with a declaration of conformity and note on the QA certificate.

Preventive fire protection in railway rolling stock according to DIN 5510-2

These requirements are currently being redefined in successor standard DIN EN 49545.

The DIN and EN standards quoted can be obtained from Beuth Verlag in Berlin.

Note:
Our description of the standards has relied partly on using content or information from the company Beuth at „www.beuth.de“.
Base coats

Base coats are generally clear; they prepare the carrier material for a subsequent top coat. They protect the material and provide optimal conditions for the finishing coat. Specific configurations appropriately accentuate the substrate and are particularly transparent for instance for building up high gloss or lightening for natural wood effects.
Hesse PUR OPTI-BASE DG 4750
Mixing ratio (by volume): 1 : 5 PUR Hardener DR 4034

OPTI-BASE is an especially transparent base coat and excellent for closed-pore and very stable surface processes. Ideally suitable as an isolation sealer and base coat with very good body under high gloss. Given its thixotropic lacquer formulation, there are no problems with applying high coat thicknesses to vertical surfaces or edges.

- thixotropic lacquer formulation, allowing very high material application on vertical surfaces
- high filling power, so up to 1/3 fewer operations compared with traditional PU base coats
- particularly transparent, creating an impressively high level of brilliance on light and dark types of wood
- guarantees optimum ability to stay on vertical surfaces, resulting in a perfect high gloss appearance to the very highest standards

Areas of application
OPTI-BASE can also be used for shopfitting and all interior fixtures and fittings, including in kitchens and bathrooms.

Target groups
Internal fit-out, Kitchen and bathroom, Furniture, Ship interiors, Special applications

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<td>DG 4750</td>
<td>1 l, 5 l</td>
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Hesse PU isolating primer DG 4720-0001
Mixing ratio (by volume): 2 : 1 PUR Hardener DR 4040

DG 4720-0001 is a clear base coat that is formulated for low viscosity and fast-drying. This coating material features a good isolation effect for use on resinous woods that are rich in active substances and is best suited for base coats on very dark stained woods. DG 4720-001 is also suitable for stabilising softwood (improving scratch resistance). Moreover, sinkage is further reduced with DG 4720-0001 as an isolation sealer within a complete coating using high-solid, clear base coats and high gloss lacquers.

- isolating effect against wood contents and on resinous woods
- isolating effect beneath Hesse HYDRO lacquers
- very stable base coat in the complete coating with high gloss
- particularly transparent

Areas of application
DG 4720-001 can also be used for shopfitting and all interior fixtures and fittings, including in kitchens and bathrooms as well as the fitting out of ship interiors.

Target groups
Internal fit-out, Kitchen and bathroom, Furniture, Ship interiors, Special applications

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<td>DG 4720-0001</td>
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The high-build configuration of pigment fillers counteracts surface irregularities. At the same time they provide optimal preparation of the substrate for subsequent application of coloured lacquer. The primer can be applied in several layers with intermediate sanding until the desired smoothness is achieved.
Hesse FANTASTIC-FILL DP 4755-9343
Mixing ratio (by volume): 10 : 1 PU Hardener DR 4071

FANTASTIC-FILL is a PUR Isolation primer with excellent body and remarkable surface smoothness, which in parallel optimises sanding characteristics and shortens the sanding process. Its application-friendly thixotropy also facilitates application on edges and vertical components, without negatively impacting levelling on horizontal surfaces. Even after brief drying, a surface treated with FANTASTIC-FILL can easily be lacquered from the rear and stored in a trolley. FANTASTIC-FILL has deliberately been developed for process-oriented, powdery manual and machine sanding.

› excellent levelling similar to a colour lacquer
› superb anti-sagging properties on vertical surfaces
› fast drying and stacking strength
› outstandingly easy to sand back by hand and machine

Areas of application
FANTASTIC-FILL can also be used for shopfitting and all interior fixtures and fittings, including in kitchens and bathrooms as well as the furnishing of ship interiors.

Target groups
Internal fit-out, Kitchen and bathroom, Furniture, Ship interiors, Special applications

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Hesse HYDRO Isolation primer HP 6634-9343

One component HYDRO basecoat, water dilutable pigmented, especially thixotropic formula and very good body. Primer for closed-pore surface processes with excellent ability to stay on vertical surfaces. Free from methylpyrrolidone.

› especially thixotropic
› Good body
› For closed-pore structures with excellent hold

Areas of application
For all interior fittings in living areas, on an extremely wide range of wood types, priming foils and MDF, and MDF including edges.

Target groups
Internal fit-out, Furniture, Special applications

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Hesse HYDRO Filler HP 6645-9343

Single-component HYDRO primer, water-dilutable pigmented, thixotropic formula, machine-sandable, very good filling properties. Filling primer for closed-pore lacquer applications with good hold on vertical surfaces. Free from methylpyrrolidon. HP 6645-9343, in conjunction with HB 65285-(colour tone), is categorised as flame-retardant per DIN 4102 B1.

› Good body
› Thixotropic
› Flame retardancy according to DIN 4102 B1 in combination with HB 65285-(colour tone)

Areas of application
For all interior fittings in living areas, on an extremely wide range of wood types, priming foils and MDF, and MDF including edges. For furniture surfaces throughout all interiors; for stairs, doors, ledges, etc.

Target groups
Internal fit-out, Furniture, Special applications, Doors, stairs

Ordering information

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UV Colour primer for roller coating UP 7500-9102

UV-cured colour roller base for creating textured surfaces.

- Coloured
- Ready-to-use

Areas of application
Decorative, textured surfaces on all interior fixtures and fittings, rear panels in the furniture sector, etc.

Target groups
Furniture, Internal fit-out

Ordering information

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<td>UP 7500-9102</td>
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Stains

Wood stains are used to alter the existing colour of the bare carrier material. The spectrum here ranges from light to strong, colourful and cheerful stain tones. A distinction is made between dye stains for colour tones similar to wood and pigment stains for colourful, non-wood hues. Almost all stained surfaces require a subsequent top coat.

You can use the Hesse stain mix system not only to produce virtually all standard Hesse stain tones, e.g., from stain sample cards, but also to produce set colour tones from other colour tone ranges. The range of stains that can be produced using the stain mix system is constantly growing and is regularly supplemented.
The stain samples shown here are not binding and serve only as a rough guide. The colour tone of a stained object depends on a number of factors: the type and features of the wood, the sanding of the grain, the way it is applied, and the structure of the surface process.

Please always stain a test area. The resulting colour tone will be revealed by first testing the stain on a sample of the original wood with the intended bare wood sanding and the desired coating.

- Stain appearances range from brilliant to muted
- Can be used on many woods
- All tones can be mixed with each other

STAIN CARDS

BG 20000
BG 20001
BG 20002
BG 20003
BG 20004
BG 5-20005
BG 20006
BG 20007
BG 20008
BG 20009
BG 20010
BG 20011
BG 20012
BG 20013
BG 20014
The stain samples shown here are not binding and serve only as a rough guide. The colour tone of a stained object depends on a number of factors: the type and features of the wood, the sanding of the grain, the way it is applied, and the structure of the surface process.

Please always stain a test area. The resulting colour tone will be revealed by first testing the stain on a sample of the original wood with the intended bare wood sanding and the desired coating.
BG colour tones on precious wood
BG Hydro stains *(colour tone)

› Stain appearances range from brilliant to muted
› Can be used on many woods
› All tones can be mixed with each other

The stain samples shown here are not binding and serve only as a rough guide. The colour tone of a stained object depends on a number of factors: the type and features of the wood, the sanding of the grain, the way it is applied, and the structure of the surface process.

Please always stain a test area. The resulting colour tone will be revealed by first testing the stain on a sample of the original wood with the intended bare wood sanding and the desired coating.
BG colour tones on ash and maple
BG Hydro stains *(colour tone)

➢ Stain appearances range from brilliant to muted
➢ Can be used on many woods
➢ All tones can be mixed with each other

The stain samples shown here are not binding and serve only as a rough guide. The colour tone of a stained object depends on a number of factors: the type and features of the wood, the sanding of the grain, the way it is applied, and the structure of the surface process.

Please always stain a test area. The resulting colour tone will be revealed by first testing the stain on a sample of the original wood with the intended bare wood sanding and the desired coating.
Coloured and clear colour tone oils

- Without lead and siccatives that contain cobalt
- For open-pored, breathable surfaces
- Emission-tested construction product as per the principles of the DIBt [German institute for construction technology]

The stain samples shown here are not binding and serve only as a rough guide. The colour tone of a stained object depends on a number of factors: the type and features of the wood, the sanding of the grain, the way it is applied, and the structure of the surface process.

Please always stain a test area. The resulting colour tone will be revealed by first testing the stain on a sample of the original wood with the intended bare wood sanding and the desired coating.
Rustic stain colour tones
Rustic stain CL *(colour tone)

- Fast-drying
- Rustic emphasis of the pores
- No roughening of the wood

The stain samples shown here are not binding and serve only as a rough guide. The colour tone of a stained object depends on a number of factors: the type and features of the wood, the sanding of the grain, the way it is applied, and the structure of the surface process.

Please always stain a test area. The resulting colour tone will be revealed by first testing the stain on a sample of the original wood with the intended bare wood sanding and the desired coating.
Hesse Colour stain BC 85-(colour tone) for spraying and wiping off

Ready to use HYDRO pigment stain. Transparent to opaque stain appearances are achieved using Hesse BC colour stains. Opaque colours can be formulated, for instance according to RAL, Sikkens or NCS colour cards. Although the use of extremely fine, micronised pigments means that you obtain higher transparency and brilliance than is usual for this type of stain. The structure of the wood is covered more or less effectively depending on the depth of colour tone. This also allows you to create colour tones that are lighter than the inherent hue of the wood. The light fastness of colour stains represents the maximum that can be achieved amongst all stains. Formulated for specific species of wood.

▷ Can be used on many woods
▷ All tones can be mixed with each other
▷ Spraying with wiping
▷ Use for tones uncommon in wood, for instance according to RAL

Areas of application
For furniture manufacturing and interior fittings. These stains can be sprayed and then wiped.

Target groups
Internal fit-out, Furniture

Ordering information
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<td>BETONOPTIK</td>
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</table>
Hesse OLDCOUNTRY Stain BI 30000 Black Olive

Using OLDCOUNTRY stains creates unique, grey-blue stain effects. Excite your customers with this naturally appealing look created by the chemical reaction with the contents of the wood.

- For exclusive unique items
- blueish-grey, natural-looking stain effect
- For unique parquet and furniture surfaces
- Chemical reaction with the wood contents
- simplest application

Areas of application
For parquet and wooden flooring with subsequent sealing with Hesse parquet oils. We only recommend oils for roller applications. The use of Hesse PRIMER-OIL means that surfaces can subsequently be coated with parquet lacquers from the Hesse HYDRO range. Also suitable for use on furniture surfaces, which are subsequently given a final treatment with suitable PUR lacquers.

Target groups
Crafted parquet flooring, Industrial parquet flooring, Internal fit-out, stairs, Furniture

Ordering information

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<tr>
<td>BI 30000</td>
<td>BLACK OLIVE</td>
<td>1 l, 5 l, 10 l</td>
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<tr>
<td>BI 30009</td>
<td>SWAMP</td>
<td>1 l, 5 l, 10 l</td>
</tr>
<tr>
<td>BI 30010</td>
<td>BURNED WOOD</td>
<td>1 l, 5 l, 10 l</td>
</tr>
</tbody>
</table>
Hesse OLDCOUNTRY Stain BI 30003 Ginger

Natural leached effects on oak give your furniture and floors a completely unique look. The chemical reaction of the wood means that no wood will look alike. The natural patterns of the oak are beautifully accented in a way that cannot be achieved with standard stains.

› Unique leached effects
› For European oak
› Reaction with the tannins in the oak

Areas of application
For parquet and wooden flooring with subsequent sealing with Hesse parquet oils. We only recommend oils for roller applications. For furniture and subsequent coating with appropriate PU lacquers.

Target groups
Crafted parquet flooring, Furniture

Ordering information

<table>
<thead>
<tr>
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<th>Container size</th>
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<tbody>
<tr>
<td>BI 30003</td>
<td>GINGER</td>
<td>1 l, 5 l, 10 l</td>
</tr>
</tbody>
</table>
HYDRO stains that are used as special stains to achieve an antique effect on porous or highly textured woods. Unique stain finishes can be obtained when combined with a WAV pre-stain, with which for instance you can create a weathered surface.

› Antique stains that are easy to apply
› to achieve a weathered look to your wood surface
› System build-up using 2 stains
› Based on fine particle pigments
› For exclusive unique items

Areas of application
Use in parquet, furniture for interior decoration and interior fittings. This stain is formulated to spray without wiping. Specifically formulated for oak.

Target groups
Internal fit-out, Kitchen and bathroom, Furniture, Doors

Ordering information

<table>
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<tbody>
<tr>
<td>WA 58-20506</td>
<td>1 l, 5 l, 25 l</td>
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</table>
Hesse PICEA Softwood stain WN/WNS (colour tone)

The PICEA Softwood stain WN produces brilliantly clear stain images with a positive effect. The colour of the dark rings in the softwood are enhanced. The stains are universally applicable in solvent- and water-based lacquer systems. Dyes from the latest generation produce glowing and light-stable stain images.

› Pronounced positive effect on softwoods
› WN colour tones for processing under HYDRO and PUR lacquers.
› For vibrant, glowing colour tones

Areas of application
PICEA positive stains are used on European softwoods like pine, fir and larch. The market positive effect appears on sanded, brushed and hewn wood, just as desired for interior fittings or for furniture design.

Target groups
Internal fit-out, Furniture

Ordering information
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<tr>
<td>WN 20102</td>
<td>BRAUN</td>
<td>1 l, 5 l, 10 l, 25 l</td>
</tr>
</tbody>
</table>
Hesse Wiping stain TD 4215-(colour) metallic

Fast drying, solvent-based pore stain used for colour-contrasting emphasis of the pores on woods with coarse pores. Available in silver, copper, gold and many bright colour tones.

› Wiping stain for achieving special effects
› for coloured emphasis of the pores
› available in silver, copper, gold and many bright colour tones

Areas of application
For use with subsequent recoating in industry and handcrafting of doors, home furnishings and kitchen furniture.

Target groups
Internal fit-out, Furniture, Special applications

Ordering information

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<thead>
<tr>
<th>Order number</th>
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<tbody>
<tr>
<td>TD 4215-02211</td>
<td>GOLD</td>
</tr>
<tr>
<td>TD 4215-02212</td>
<td>KUPFER / COPPER</td>
</tr>
<tr>
<td>TD 4215-02213</td>
<td>SILVER</td>
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</table>
Finishing & multi-coat lacquers

Finishing lacquers can be formulated to be transparent or coloured and in most cases require prior application of a base coat or primer. Their compelling features are a wide range of gloss levels, colours or a special feel. High opacity and light fastness with faster drying also distinguish these products, as do excellent grip, ability to stay on vertical surfaces and looks.

Fields of application range from normal to high demand surfaces on all interior fixtures and fittings. The surface appearance can be open- to closed-pore.

Multi-coat lacquers are coatings that combine the properties of a base coat and a top coat. They can be applied directly in several layers with intermediate sanding. As a rule these are clear lacquer systems that are used on bare or stained carrier material.

Protection, heavy use and great design – the wide range of multi-coat lacquers in the Hesse product programme provides a solution for almost every application.
Hesse PU natural wood effect DA 400-1
Mixing ratio (by volume): 10 : 1 PUR Hardener DR 470

Two-component PU natural wood effect, brightening, scratch-resistant, dull matt and formulated with special light protection. A coating lacquer for priming and final lacquering for open-pored structures. The product can be used on bleached woods. Also Free from phthalate softeners, and so also suitable for painting children’s toys.

› Lightening
› scratch-resistant
› with special light protection

Areas of application
Can be used for a natural wood effect mainly on maple, oak, conifers (also treated with positive stain) and softwoods.

Target groups
Internal fit-out, Furniture, Special applications

Ordering information
<table>
<thead>
<tr>
<th>Order number</th>
<th>Gloss level 60° (Gloss +/-5)</th>
<th>Gloss level</th>
<th>Container size</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA 400-1</td>
<td>2</td>
<td>dull matt</td>
<td>1 l, 5 l, 25 l</td>
</tr>
</tbody>
</table>
Hesse PU Multicoat lacquer DE 4500x(gloss level)-0004
Mixing ratio (by volume): 10 : 1 PU Hardener DR 4070

Hesse PU Multi-coat lacquer DE 4500x(gloss level)-0004 is a clear, two-component PU acrylate resin. This light-fast and aromatic-free multi-coat lacquer is ideal for priming and top coating open-pored lacquer structures. With its excellent resistance against chemical and mechanical demands, it passes inspection according to food-related aspects of Art. 3 EG No.1935/2004 and §§ 30/31, Section1 of the German Food and Feed Code (LFGB). The product, which is free from phthalate softeners, can easily be used for lacquering children’s toys and on bleached woods.

› Passes inspection for food-related aspects
› suitable for children's toys
› Peroxide-resistant
› aromatic-free

Areas of application
For all interior fixtures and fittings and for coating furniture made from all types of wood.

Target groups
Internal fit-out, Kitchen and bathroom, Furniture, Special applications

Ordering information

<table>
<thead>
<tr>
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</thead>
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<tr>
<td>DE 45004-0004</td>
<td>18</td>
<td>silk matt</td>
<td>25 l</td>
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</table>
MEGA-PUR is a 100 % light fast and transparent multi-coat lacquer. Its uncomplicated application on three-dimensional components makes MEGA-PUR eminently suitable as a multi-coat lacquer on all customary woods and in parallel as an excellent finishing lacquer on Hesse PU colour lacquers. Its good body and elegant looks mean that MEGA-PUR can be used on bleached woods as required.

- Particular elegance and appeal
- 100 % light fast, so ideal on PU colour lacquers
- Easy application on vertical surfaces
- Can be applied to bleached woods

Areas of application
MEGA-PUR can be used for all interior fixtures and fittings, including in kitchens and bathrooms as well as for coatings in ship interiors.

Target groups
Internal fit-out, Kitchen and bathroom, Furniture, Ship interiors, Special applications

Ordering information

<table>
<thead>
<tr>
<th>Order number</th>
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<tr>
<td>DE 560</td>
<td>2</td>
<td>dull matt</td>
<td>5 l, 25 l</td>
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<tr>
<td>DE 562</td>
<td>10</td>
<td>matt</td>
<td>5 l, 25 l</td>
</tr>
<tr>
<td>DE 564</td>
<td>20</td>
<td>silk matt</td>
<td>5 l, 25 l</td>
</tr>
<tr>
<td>DE 567</td>
<td>40</td>
<td>satin gloss</td>
<td>5 l, 25 l</td>
</tr>
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</table>
Hesse PU brillant lacquer DU 449
Mixing ratio (by volume): 2 : 1 PUR Hardener DR 404

DU 449 is an ideal transparent, high gloss lacquer for coatings on natural wood already pre-primed to be closed-pore with a very low tendency to sinkage. This product has good body and dries to be very brilliant and high gloss, combined with optimal sanding / polishing properties.

▶ dries to be particularly brilliant
▶ ideal on natural wood
▶ can be polished and buffed with very little effort

Areas of application
DU 449 can also be used for shopfitting and all interior fixtures and fittings, including in kitchens and bathrooms as well as the fitting out of ship interiors.

Target groups
Internal fit-out, Kitchen and bathroom, Furniture, Ship interiors, Special applications

Ordering information

<table>
<thead>
<tr>
<th>Order number</th>
<th>Gloss level 60° (Gloss +/-5)</th>
<th>Gloss level</th>
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<tbody>
<tr>
<td>DU 449</td>
<td>98</td>
<td>high gloss</td>
<td>5 l, 25 l</td>
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</tbody>
</table>
Hesse PU ADAMANT DU 48999
Mixing ratio (by volume): 1 : 1 PUR Hardener DR 4091

ADAMANT is a clear and extremely scratch-resistant high gloss lacquer. This easy to apply and light fast lacquer material can be polished and buffed after a 16 h drying time. With a solids content of 70% the product is Decopaint compliant and formulated to be process oriented. The finished surface exhibits chemical resistance as per DIN 68861 1A.

› excellent scratch resistance
› HIGH-SOLID system with 70 % solids content, therefore Decopaint compliant
› DIN 68861, Part 1A chemical resistance, no discoloration (Level 5)

Areas of application
ADAMANT is perfectly suited for all interior fittings, including those in kitchens, bathrooms and ship interiors, as a top coat on clear Hesse PU base coats or Hesse PU colour lacquers.

Target groups
Internal fit-out, Kitchen and bathroom, Furniture, Special applications

Ordering information

<table>
<thead>
<tr>
<th>Order number</th>
<th>Gloss level 60° (Gloss +/-5)</th>
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<th>Container size</th>
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<tbody>
<tr>
<td>DU 48999</td>
<td>90</td>
<td>high gloss</td>
<td>5 l</td>
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</tbody>
</table>
Hesse PURA-ONE HDE 51-x(gloss level)
Mixing ratio (by volume): 10 : 1 HYDRO Hardener HDR 71

Two-component HYDRO Acrylate PU Lacquer, high abrasion resistance, tough, well filling, light fast. Top class Multicoat lacquer for priming and top coating in a wide field of applications. The product can be used on bleached wood. Emission-tested construction product per DIBt [German institute for construction technology] principles. This lacquer is certified to IMO (flame retardant coating agent for seagoing vessels) and is therefore suitable for the interior fittings on ships. The special formulation of this lacquer also makes it suitable for coating wooden staircases to be creak-free.

- Light-fast
- Good transparency
- Good chemical and mechanical resistance
- Certified according to IMO so it can be applied on ship interiors
- Tough stair lacquer

Areas of application
For parquet flooring, wood and OSB floors that are subjected to high demands.

Target groups
Crafted parquet flooring, Special applications, Ship interiors, stairs

Ordering information

<table>
<thead>
<tr>
<th>Order number</th>
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<tr>
<td>HDE 51-2</td>
<td>10</td>
<td>matt</td>
<td>4.5 l</td>
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<tr>
<td>HDE 51-4</td>
<td>20</td>
<td>silk matt</td>
<td>4.5 l</td>
</tr>
<tr>
<td>HDE 51-7</td>
<td>40</td>
<td>satin gloss</td>
<td>4.5 l</td>
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</tbody>
</table>
Hesse PURA-NATURA HDE 52-0
Mixing ratio (by volume): 10 : 1 PURA-NATURA Hardener HDR 72

wo-component HYDRO acrylic PU lacquer, abrasion resistant, tough, lightening, dull matt, light fast. With very good resistance to footprints and common household chemicals. Multicoat lacquer for priming and finishing coatings on light woods. The natural appearance of the wood is retained. Emission-tested construction product per DIBT [German institute for construction technology] principles. The special formulation of this lacquer also makes it suitable for coating wooden staircases to be creak-free.

› Light-fast
› Dull matt with good scratch resistance
› Natural wood effect
› Tough stair lacquer

Areas of application
In living areas, and also in higher strain areas of parquet and wooden flooring.

Target groups
Crafted parquet flooring, Special applications, stairs

Ordering information

<table>
<thead>
<tr>
<th>Order number</th>
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<tbody>
<tr>
<td>HDE 52-0</td>
<td>3</td>
<td>dull matt</td>
<td>4.5 l</td>
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</table>
Hesse HYDRO PU PRIMO HDE 5400x(gloss level)
Mixing ratio (by volume): 10 : 1 HYDRO Hardener HDR 5091

Two-component HYDRO acrylic PU lacquer, water-dilutable, colourless, PVC-resistant, cream and perspiration resistant, with excellent mechanical and chemical resistance. Excellent accentuation and brilliance, combined with good cream and hand perspiration resistance, establish this system as a top quality surface protection for all high grade interior fittings. The special formulation of this lacquer also makes it suitable for coating wooden staircases to be creak-free. This lacquer is certified to IMO (flame retardant coating agent for seagoing vessels) and is therefore suitable for the interior fittings on ships. Free from N-methylpyrrolidone and phthalate plasticisers, therefore also suitable for coating children’s toys. certified according to DIN 4102 B1 Flame retardancy certification under DIN 4102 and DIN EN 13501-1 pending!

➤ good accentuation of the wood substrate
➤ Tough stair lacquer

Areas of application
In the entire interior, including kitchen and bathroom, as well as for painting the interior of ships. Also suitable for coating content-rich woods (e.g. ash, oak, pine, etc.), as well as stairs and handrails.

Target groups
Internal fit-out, Kitchen and bathroom, Furniture, Ship interiors, Doors, stairs, Special applications

Ordering information

<table>
<thead>
<tr>
<th>Order number</th>
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<tbody>
<tr>
<td>HDE 54002</td>
<td>10</td>
<td>matt</td>
<td>5 l, 25 l</td>
</tr>
<tr>
<td>HDE 54004</td>
<td>25</td>
<td>silk matt</td>
<td>5 l, 25 l</td>
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</tbody>
</table>
Hesse HYDRO-PU Natural Wood effect HDE 54500-0001
Mixing ratio (by volume): 10 : 1 HYDRO Hardener HDR 5081

Dual-component HYDRO acrylic PU lacquer, colourless, dull mat, PVC-resistant, resistant to sweat and creams and light-fast with particular light protection. Coating lacquer with particularly good scratch resistance for priming and final coats of open-pore applications. Free from N-methylpyrrolidone and phthalate plasticisers, therefore also suitable for coating children’s toys.

› Light-fast
› With light protection
› Natural wood effect
› Dull matt with good scratch resistance

Areas of application
For all interior fittings in living areas, with a natural wood effect; predominantly on light woods. Also for stairs and handrails.

Target groups
Internal fit-out, Furniture, Special applications, Doors, stairs

Ordering information

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>HDE 54500-0001</td>
<td>2</td>
<td>dull matt</td>
<td>5 l, 25 l</td>
</tr>
</tbody>
</table>
Hesse HYDRO TOP-COAT HE 6509x(gloss level)

Single component HYDRO acrylic PU multicoat lacquer, water-dilutable, clear, universally usable, well sandable, solvent content < 3 % and light fast; PVC-resistant, cream and sweat resistant. Multicoat lacquer for priming and top coating of open poor and closed for coatings, with very good chemical and mechanical resistance. The product can be used on bleached wood. Free from N-methylpyrrolidone and phthalate plasticisers, therefore also suitable for coating children’s toys. Due to the low solvent content, this product is also suitable for “green building” projects. For the creak-free coating of staircases and many other applications.

› Solvents content < 3 %, thus also suitable for “Green Building” items.
› For the creak-free coating of staircases and many other applications.
› Non-slip class R11 per DIN 51130

Areas of application
In the entire interior and for coating furniture, stairs and handrails; usable on many different types of wood.

Target groups
Internal fit-out, Furniture, Special applications, Doors, stairs

Ordering information

<table>
<thead>
<tr>
<th>Order number</th>
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<tr>
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<td>15</td>
<td>matt</td>
<td>5 l, 25 l</td>
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<td>HE 65094</td>
<td>20</td>
<td>silk matt</td>
<td>5 l, 25 l</td>
</tr>
<tr>
<td>HE 65096</td>
<td>30</td>
<td>satin gloss</td>
<td>5 l, 25 l</td>
</tr>
</tbody>
</table>
Hesse HYDRO Multicoat lacquer HE 6530x(gloss level)-0100

Single-component HYDRO acrylate lacquer, water-dilutable, clear, PVC-resistant, cream and sweat resistant, quick-drying. Multicoat lacquer with good accentuation of woods and high resistance, particularly to mechanical stresses. The product can be used on bleached wood. Free from N-methylpyrrolidone and phthalate plasticisers, therefore also suitable for coating children’s toys. HE 65302-0100 meets the LFGB requirements (German Food and Feed Code) as well as EC Regulation 1935/2004 and is suitable for contact with dry food.

HE 65302-0100 meets the LFGB requirements (German Food and Feed Code) as well as EC Regulation 1935/2004 and is suitable for contact with dry food.

Areas of application
In the entire interior in the living areas, for doors, living room furniture, cabinets and children’s furniture, as well as for banisters.

Target groups
Internal fit-out, Furniture, Special applications, Doors

Ordering information

<table>
<thead>
<tr>
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<th>Gloss level</th>
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<tr>
<td>HE 65302-0100</td>
<td>8</td>
<td>matt</td>
<td>25 l</td>
</tr>
<tr>
<td>HE 65304-0100</td>
<td>20</td>
<td>silk matt</td>
<td>25 l</td>
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</tbody>
</table>
Hesse HYDRO Lacquer for stairs HE 6542x(gloss level)-0100

Single-component HYDRO acrylic lacquer, clear, well filling, thixotropic, PVC-resistant, resistant to cream and sweat and light fast. For the leak-free coating of staircases and many other applications. Multi-coat lacquer for priming and top coating for open to closed pore structures with good accentuation of the wood and very good resistance to chemical and mechanical strain. This lacquer is particularly suitable for partial coating on an overhead conveyor. The product can be used on bleached wood. Free from N-methylpyrrolidone and phthalate plasticisers, therefore also suitable for coating children’s toys.

▷ Tough stair lacquer
▷ good grit accentuation
▷ This lacquer is particularly suitable for partial coating on an overhead conveyor.
▷ Non-slip class R11 per DIN 51130

Areas of application
For staircase coatings and the entire interior, in particular for coating three-dimensional objects.

Target groups
Internal fit-out, Furniture, Special applications, Doors, stairs

Ordering information

<table>
<thead>
<tr>
<th>Order number</th>
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<tbody>
<tr>
<td>HE 65422-0100</td>
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<td>matt</td>
<td>25 l</td>
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<tr>
<td>HE 65424-0100</td>
<td>20</td>
<td>silk matt</td>
<td>5 l, 25 l</td>
</tr>
<tr>
<td>HE 65426-0100</td>
<td>30</td>
<td>satin gloss</td>
<td>5 l, 25 l</td>
</tr>
<tr>
<td>HE 65428-0100</td>
<td>50</td>
<td>glossy</td>
<td>5 l, 25 l</td>
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Hesse HYDRO-UV Multicoat lacquer HUE 8643x(gloss level)-0002

UV-curing HYDRO-UV multicoat lacquer for priming and top coating to achieve open- to closed-pore coatings on suitable substrates. This lacquer system has elastic properties and is eminently suitable for coating stairs and heavily used furniture.

- very suitable for coating staircases
- Very good resistance properties
- Good build qualities
- IMO-approved

Areas of application
This lacquer is suitable for coating furniture, doors and stairs plus interior fittings on ships. For use on European deciduous wood.

Target groups
stairs, Doors, Furniture

Ordering information

<table>
<thead>
<tr>
<th>Order number</th>
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<tr>
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<td>matt</td>
<td>25 l</td>
</tr>
<tr>
<td>HUE 86434-0002</td>
<td>20</td>
<td>silk matt</td>
<td>25 l</td>
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</tbody>
</table>
Hesse HYDRO-UV DIAMATT HUU 89020

DIAMATT - The diamond-hard, dull matt top coat. This HYDRO-UV lacquer appeals with its dull matt look, whether it’s applied over colourful substrates or wood surfaces. Its resistance to scrubbing and micro-scratching make this spray lacquer perfect for all interior lacquer coating applications for which other lacquer systems hit their limits.

› extremely matt
› Extremely scratch-resistant
› no formation of glossy areas
› Good transparency
› excellent chemical resistance

Areas of application
Use as a finishing lacquer on coloured or colourless primed woods or board materials for kitchens, bathrooms or the furniture industry.

Target groups
Internal fit-out, Kitchen and bathroom, Furniture, Special applications, Doors

Ordering information
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>HUU 89020</td>
<td>5</td>
<td>dull matt</td>
<td>25 l</td>
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</tbody>
</table>
Hesse UV Multicoat lacquer for curtain coating UE 77709 clear

UV-curing curtain coating lacquer for base and top coats for open-pore and closed-pore coatings with an extremely elegant surface finish.

› Can be poured
› Base and top coat
› Elegant surface formation

Areas of application
In the furniture industry.

Target groups
Furniture

Ordering information

<table>
<thead>
<tr>
<th>Order number</th>
<th>Gloss level</th>
<th>Container size</th>
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</thead>
<tbody>
<tr>
<td>UE 77709</td>
<td>high gloss</td>
<td>25 kg</td>
</tr>
</tbody>
</table>
Hesse UV Top coat for roller coating UUE 7100x(gloss level)-0030 clear

The UV-hardening top coat is specially designed for the Excimer lamp for a matt, very scratch-resistant coating.

- very scratch-resistant
- dull matt, ready-to-use

Areas of application
For residential furniture, interior fittings, etc; on a suitable substrate for system structure.

Target groups
Kitchen and bathroom, Furniture

Ordering information

<table>
<thead>
<tr>
<th>Order number</th>
<th>Gloss level 60° (Gloss +/-5)</th>
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<tbody>
<tr>
<td>UUE 71000-0030</td>
<td>31</td>
<td>dull matt</td>
<td>10 l, 25 kg</td>
</tr>
</tbody>
</table>
Proterra NATURAL SOLID OIL GE 11254

Oil and linseed oil base, free of cobalt- and lead-containing siccatives, mild aroma, low in solvent. With good accentuation of the wood and outstanding mechanical and chemical resistance. Very economical, as the wood is safely protected with already one application!

› Quick-drying natural oil
› Low-solvent, so a pleasant odour
› Emission-tested construction product per DIBt [German institute for construction technology] principles
› Very economical, as the wood is safely protected with already one application!
› Antimicrobial effect according to ISO 22196: 2007
› Non-slip class R11 per DIN 51130

Areas of application
For coating parquet and furniture; surface treatment of wood in interior areas, such as living rooms, bedrooms and children's rooms, wall and ceiling panels. Also for stairs and handrails.

Target groups
Internal fit-out, Furniture, Crafted parquet flooring, Special applications, Doors, stairs

Ordering information

<table>
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<tr>
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Hesse INVIPRO-OIL OE 52860

This is a mixture of natural oils and natural waxes combined with alkyd resins refined with natural oil. Our fast drying oil is free from cobalt, butanone oxime and aromatic compounds. It contains a light stabiliser and protects against colour changes significantly longer than comparable oils. It penetrates very well into wood, maintaining the open porosity and breathability of the wood surface. The surface remains anti-static and appears untreated, but it is abrasion-proof and water repellent and is therefore not only better protected and more durable than a bare wood surface, it is also easier to clean, so real wood surfaces retain their individual and exclusive attributes longer. Due to its innovative formulation, the INVIPRO-OIL is decopaint-compliant and is not classified in accordance with the currently valid GHS/CLP regulation.

Natural wood effect; the surface appears as if it were untreated

Areas of application
Throughout living areas as a natural wood effect oil on surfaces subject to normal to medium demands; mainly on light woods.

Target groups
Internal fit-out, Furniture, Special applications

Ordering information

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Hesse SPEEDCARE-OIL OE 52872

Fast-drying, butanone oxime-free mixture of natural oils, combined with alkyd resins refined with natural oils. Special cobalt-free and lead-free siccatives allow it to dry extremely fast for an oil. The carefully selected, aromatic-free solvents are also used in cosmetic products. The material is decopaint-compliant and is characterized by excellent levelling, outstanding pore wetting and a pleasant look and feel. Depending on the application quantity, open-pored, breathable surfaces or very closed-pore surfaces can be created with excellent mechanical and chemical resistance. The rapid drying feature means significant savings in production time. Since the material undergoes forced drying, the finished surfaces are stackable after a few minutes or can undergo further processing. This product does not require the usual process of rubbing in and wiping off the excess. The SPEEDCARE-OIL impresses clients with a uniform matt look together with good wood grain accentuation and transparency.

- very fast drying
- accelerated drying is possible; stackable or ready for continued processing within 15 minutes

Areas of application
Suitable as a basecoat and top coat as well as for open-pore, breathable surfaces and closed-pore, lacquered surfaces with normal to heavy use. Also for stairs and handrails.

Target groups
Internal fit-out, Furniture, stairs, Special applications

Ordering information

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Container size: 1 l, 5 l, 10 l, 25 l
Hesse Oxi-Reactive-Top oil for roller coating RO 79810

UV-activated system with a natural oil base, dull matt, colorless and ready to use. Conforms with the requirements for naturalness according to ÖNORM C 2380.

- dull matt
- clear
- Natural look

Areas of application
For the coating of panels and flooring made from the typical types of wood. This product is used on surfaces whose the natural character of the wood is to be preserved. Not suitable for smoked oak and heat-treated wood.

Ordering information

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Target groups
Industrial parquet flooring, Crafted parquet flooring
Hesse PU Glass lacquer DB 4210x(gloss level)-(colour)
Mixing ratio (by volume): 5 : 1 PU Hardener DR 4076-0001

Two component PU acrylate coloured lacquer, silk matt and light-fast. A coloured top coat for glass coating, also suitable for direct coating of metal, chrome, stainless steel, aluminium, etc. available in almost all colour tones.

› outstanding adhesion on glass
› direct coating onto glass is possible
› Can be used for coating behind glass in shower cabinets
› Coloured lacquer for coating various interior metals
› available in many colour tones

Areas of application
For all interior designs and for coating furniture.

Target groups
Glass, Internal fit-out, Kitchen and bathroom, Furniture, Special applications

Ordering information

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<th>Order number</th>
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Hesse PU Brillant-Color DB 449-(colour tone)
Mixing ratio (by volume): 2 : 1 PUR Hardener DR 404

DB 449-(colour tone) is a coloured high gloss lacquer with impressive lacquer distribution. This product has good body and dries to be very brilliant and high gloss, combined with optimal sanding and polishing properties. Our coloured high gloss lacquer is available in virtually all colour tones.

› impressive lacquer distribution
› dries to be particularly brilliant
› can be polished and buffed with very little effort

Areas of application
DB 449-(colour tone) can be used for shopfitting and on all interior fixtures and fittings, including in kitchens and bathrooms as well as for coatings in ship interiors.

Target groups
Internal fit-out, Kitchen and bathroom, Furniture, Ship interiors, Special applications

Ordering information

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<td>9016</td>
<td>95</td>
<td>high gloss</td>
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Hesse FANTASTIC-COLOR DB 4888x(gloss level)-(colour)

FANTASTIC-COLOUR is a light fast and very well-balanced two-component colour lacquer with impressive opacity and fast drying. The product’s particular distinguishing features are its outstanding ability to stay on vertical surfaces together with excellent levelling on horizontal surfaces. FANTASTIC-COLOUR is suitable for top coating and is therefore the right colour lacquer for very sophisticated and high-quality colour lacquer finishes with an impressive feel and metal marking resistance. FANTASTIC-COLOR can also be applied directly onto sanded, bare MDF edges and surfaces.

› Up to 60 % more material can be applied on vertical surfaces in comparison with standard PU colour lacquers
› 40 % higher opacity across all colour tones and up to 25 % higher solids content in comparison with UNA-COLOR
› can be directly applied onto MDF edges
› good metal-marking resistance; a transparent top coat can be omitted in many cases

Areas of application
FANTASTIC-COLOR meets the highest colour lacquer demands in every relevant product feature and can be used for all interior fittings, including kitchens and bathrooms and for coating the interior fixtures aboard vessels.

Target groups
Internal fit-out, Kitchen and bathroom, Furniture, Special applications

Ordering information

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Hesse HYDRO-PU Colour lacquer for glass HDB 54105-(colour)
Mixing ratio (by volume): 5 : 1 HYDRO Hardener HDR 5040

Two component HYDRO Acrylic PU coloured lacquer for universal coating behind glass. A coloured finish lacquer for glass coating, it has good chemical and mechanical resistance. It is light fast, hard-wearing, scratch resistant and is distinguished by its evenly distributed pigmentation. The material also dries at room temperature to an even film of coloured lacquer with an excellent bond to the glass substrate.

› can be universally used on all glass surfaces normally found with interior fittings
› even pigment distribution within the lacquer layer
› even dries at room temperature free from clouding with the desired effect on
› outstanding adhesion to glass surfaces cleaned with HS 6601
› excellent chemical and mechanical resistance

Areas of application
For coating glass on all interior fittings, including in kitchens and bathrooms.

Target groups
Glass, Internal fit-out, Furniture, Special applications

Ordering information

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</table>
Hesse Hydro-PU-Color Lacquer HDB 5470x(gloss level)-(colour)

Mixing ratio (by volume): 5 : 1 HYDRO Hardener HDR 5093

Two-component HYDRO acrylate PU coloured lacquer, good coverage, PVC-resistant, cream and sweat resistant and light fast. First-class coating lacquer for priming and final coating, with excellent mechanical and chemical resistance.

- Good coverage and build
- Outstanding chemical and mechanical resistance
- PVC-resistant, cream and sweat resistant and light fast.

Areas of application
This product can be used for all interior fixtures, including heavily used areas such as the kitchen and bathroom. It can also be used on many different types of wood, as direct edge coating on MDF and on various foils. Best suited for coating heavily used components and also for staircases.

Target groups
Internal fit-out, Kitchen and bathroom, Furniture, Doors, stairs

Ordering information

<table>
<thead>
<tr>
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Hesse HYDRO-PU Brilliant-Color HDB 54799-(colour tone)
Mixing ratio (by volume): 5 : 1 HYDRO Hardener HDR 5091

Two component HYDRO-PU acrylate coloured lacquer system with good body, light fast, pigmented, high gloss and with outstanding chemical and mechanical resistance. It can be polished and buffed, PVC-resistant, cream and sweat resistant and light fast. Free from N-methylpyrrolidone and phthalate plasticisers, therefore also suitable for coating children’s toys.

› Good body
› Good transparency
› Light-fast
› outstanding chemical and mechanical resistance
› good polishing and buffing properties

Areas of application
For high quality residential furniture with sophisticated surfaces and all interior fittings including kitchens and bathrooms.

Target groups
Internal fit-out, Kitchen and bathroom, Furniture, Special applications

Ordering information

<table>
<thead>
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<td>high gloss</td>
<td>5 l, 25 l</td>
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<td>9016</td>
<td>90</td>
<td>high gloss</td>
<td>1 l, 5 l, 25 l</td>
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</table>
Hesse HYDRO PRO-COLOR HB 6528x(gloss level)-(colour tone)

One-component HYDRO acrylate PU lacquer, solvent content < 3 %, silk matt, thixotropic formulation, good coverage, PVC-resistant, cream and sweat resistant, scratch-resistant and light-fast. Top class multi-coat lacquer for top and finishing coats with very elegant surface development and a wide field of application. Flame retardant according to DIN 4102 B1 on a suitable substrate. Free from N-methylpyrrolidone and phthalate plasticisers, therefore also suitable for coating children’s toys. Due to the low solvent content, this product is also suitable for “green building” projects.

› Solvents content < 3 %, thus also suitable for “Green Building” items.
› Good coverage
› flame-retardant according to DIN 4102-B1.

Areas of application
For all interior designs in residential settings on suitable woods, pigment fillers, primers and priming foils after corresponding sanding. For furniture surfaces throughout all interiors; for stairs, doors, ledges, etc.

Target groups
Internal fit-out, Furniture, Special applications, stairs

Ordering information

<table>
<thead>
<tr>
<th>Order number</th>
<th>Colour tone</th>
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<td>HB 65285-9010</td>
<td>9010</td>
<td>26</td>
<td>silk matt</td>
<td>1 l, 5 l, 25 l</td>
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</table>
The Hesse DIACOLOR is a colour lacquer which is processed in various ways. The lacquer is ideally processed on a spraying unit with subsequent drying and UV curing systems in industrial applications. However, it is possible to paint the DIACOLOR like a conventional 2-component water lacquer using manual spraying stands and without special drying equipment. This is especially done for components which do not fit through the industrial systems. The remarkable feature of the lacquer is that the final result is nearly identical in both colour tone and gloss level. The benefits are obvious: you only need one lacquer for multiple fields of application and can enjoy large savings on storage and handling costs.

- A lacquer for lacquering systems and for applying coatings to components with the conventional manual spraying process
- Saves on storage and handling expenses
- Excellent opacity
- Two-component
- Processing with and without UV curing

Areas of application
For all interior fittings, including in heavily used areas such as kitchen and bathroom.

Target groups
Internal fit-out, Kitchen and bathroom, Furniture, Doors

Ordering information

<table>
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<th>Order number</th>
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<td>30</td>
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</table>
Hesse ULTRA-WHITE-OIL OB 52842-0770

A pigmented, highly colouring, universal oil based on linseed oil, sunflower oil, jojoba oil and alkyd-resin-modified natural oil; tough, abrasion-resistant and free from cobalt- or lead-containing siccatives. Due to the optimum combination of raw materials, this product displays an outstanding light fastness for an oil system and only a minimal tendency towards yellowing at the absence of light. The open-pored and breathable surface is hardwearing. Contains a light stabilizer which retards colour changes of the substrate. Due to the innovative composition of its raw materials, this product does not have to be categorised according to the current version of the Globally Harmonized System of Classification and Labeling of Chemicals!

- particularly white
- Without lead and cobalt containing drying agents
- Substrate has longer colour tone stability
- No GHS/CLP classification!
- Oil with outstanding light fastness
- just a slight tendency towards yellowing!

Areas of application
For furniture surfaces throughout all interiors; for stairs, doors, ledges, etc. Also suitable for coating parquet and wooden floors, as well as oriented structural boards and cork floors in living areas.

Target groups
Internal fit-out, Furniture, Crafted parquet flooring, Special applications, stairs

Ordering information
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<td>WEISS</td>
<td>2.5 l, 25 l</td>
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</table>
Hesse NATURAL-COLOUR-OIL OB 83- (colour)

Oil with a base consisting of linseed oil as well as alkyd resin modified with natural oil and the addition of lead-free and cobalt-free siccatives, pigmented, tough, abrasion resistant, with light protection. The open-pored and breathable surface is hard-wearing. Emission-tested construction product per DIBt [German institute for construction technology] principles,

- Without lead and cobalt containing drying agents
- For open-pore, breathable surfaces
- Emission-tested construction product per DIBt [German institute for construction technology] principles

Areas of application
For parquet and surface treatment of wood in interior areas, such as living rooms, bedrooms and children’s furniture, wall and ceiling panels. Also for stairs and handrails.

Target groups
Internal fit-out, Furniture, Crafted parquet flooring, Special applications, stairs

Ordering information

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<td>OB 83-700</td>
<td>WEISS / WHITE</td>
<td>1 l, 2.5 l</td>
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<td>OB 83-702</td>
<td>GRAUBRAUN</td>
<td>1 l, 2.5 l</td>
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<td>OB 83-703</td>
<td>GRAU/ GREY</td>
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<td>OB 83-740</td>
<td>OLIV-GRAU/ OLIVE-GREY</td>
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<td>HELLBRAUN/ LIGHT WALNUT</td>
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<td>DUNKELBRAUN/ DARK WALNUT</td>
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<td>OB 83-901</td>
<td>EBENHOLZ/ EBONY</td>
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Effect lacquers

Those who place great emphasis on individuality, modernity and feeling in interior design will love our effect lacquers. Effect lacquers are creative formulations and offer imaginative opportunities in the field of surface design. Effect coatings are available with huge optical and tactile diversity and in a wide variety of designs. Incredible images can be conjure up using a sense for colours and some expression. Many of the effects described can also be used to coat behind glass.
Hesse PU DECORATIVE METAL Base DE 48219-0901
Mixing ratio (by volume): 4 : 1 PU DECORATIVE METAL Hardener DR 4008

The two-component, light fast base coat PU DECORATIVE METAL DE 48219-0901 is clear and can be mixed with selected Hesse metal powders depending on the desired surface and effect. Furthermore, the different metal powders can be combined in a lacquer/hardener mixture. This allows a large and individualized degree of design freedom when planning and designing this particular surface. PU DECORATIVE-METAL is also IMO-certified.

Application of real metal by spraying, thus allowing direct application on many substrates. 5 different metal types are available and can be mixed and combined together; IMO-certified

Areas of application
For all interior fittings, for yachts and for coating furniture.

Target groups
Internal fit-out, Kitchen and bathroom, Furniture, Ship interiors, Special applications

Ordering information

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</tbody>
</table>
Hesse HYDRO-PU Glass lacquer HDU 54xx0(effect)
Mixing ratio (by volume): 5 : 1 HYDRO Hardener HDR 5040

Two component HYDRO Acrylic PU clear lacquer for universal coating behind glass. It is light fast, hard-wearing, scratch resistant and is distinguished by its evenly satin finish. This product also dries at room temperature to an effect foil with excellent adhesion to the glass substrate.

- available in the three effects: satin, etched and sandblasted
- even dries at room temperature free from clouding with the desired effect on
- outstanding adhesion to glass surfaces cleaned with HS 6601
- can be universally used on all glass surfaces usually found with interior fittings

Areas of application
For coating glass on all interior fittings, including in kitchens and bathrooms.

Target groups
Glass, Special applications, Internal fit-out, Furniture

Ordering information

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</table>
Hesse CREATIVE-METALLIC DB 46555-(colour tone)

Hesse CREATIVE-METALLIC colour lacquer can be used to create unique pieces for interior fittings and on furniture and doors. Produce the most beautiful metallic effects with coarse to fine metallics, from silver, copper and gold colour tones through to modern, bright metallics. The associated CREATIVE-METALLIC colour chart displays 112 different colour tones that depict the full diversity of this system. All of the lacquers in this range can of course also be mixed with one another for a virtually limitless variety of effects.

› Application on wood materials and glass
› A colour chart with 112 colour tones is available for your customer conversations

Areas of application
This fast-drying lacquer system has been developed especially for interior fittings and shop fitting. The coating of furniture and doors represents an additional benefit. The same lacquer can also be used for decorative glass coating on elements like glass doors, shower partitions and glass within furniture.

Target groups
Glass, Internal fit-out, Kitchen and bathroom, Furniture, Doors

Ordering information

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<th>Order number</th>
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</table>
Hesse HYDRO Metallic lacquer HB 65445-(colour tone)

Strong thixotropic 1C HYDRO Metallic colour lacquer with good ability to stay on vertical surfaces and uniform effect formation. This light fast coloured lacquer is available in many colors and is particularly suitable for coating three-dimensional parts.

› even, non-cloudy effect formation.
› the special flow characteristics prevent drips or sagging on vertical surfaces.
› creates an exclusive metallic look.

Areas of application
The material can be used universally as a metallic effect lacquer for closed-pore structures in living areas. Its thixotropic flow behaviour facilitates the coating of vertical surfaces. It can also be used for the direct coating of suitable, cleaned and sanded foils.

Target groups
Internal fit-out, Furniture, Special applications

Ordering information

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<td>silk matt</td>
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