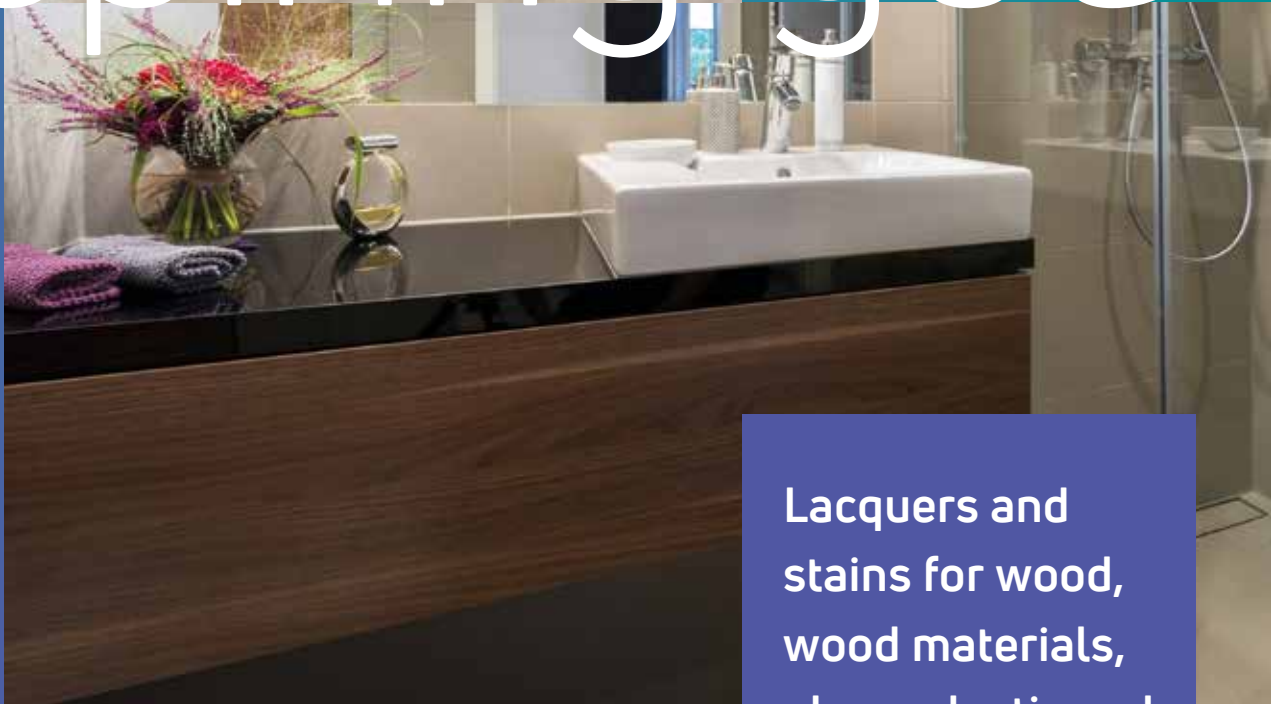


Compact-Program 2020/2021



Hesse Lignal
inspiring you



inspiring you

Lacquers and
stains for wood,
wood materials,
glass, plastic and
metal for craft
and industry

THE HESSE COMPANY

Our mission

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.«





Our product range

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.



Quality through technology

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.

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 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

Europa: 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.



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“.

* Due to different test methods and different material combinations, certificates can appear multiple times on the product pages.

The Paint Factory on Site

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 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:

- PU-FANTASTIC-COLOR in different degrees of gloss
- UNA-Color in different degrees of gloss
- UNA-Color, metal marking resistant
- PU-FANTASTIC-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
- Hydro-UV FABULAC

Additionally using the Paint Express

Profi Mix paste mixing system:

- PUR-Brillant Color, high gloss
- 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

» 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.«

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
- PICEA Positive stains
- Gloss stains
- Hydro-rustic stains
- Parquet flooring stains
- Solvent stains

Furthermore you can mix different oil colours from the Hesse oil card. The variety of colours is also unlimited by using intermediate shades.

- NATURAL COLOR OIL
- COLOR SOLID OIL

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.





Hesse FANTASTIC-FILL DP 4755-9343

Mixing ratio (by volume): 10 : 1 PU Hardener DR 4071

- 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

FANTASTIC-FILL is an acrylate-based polyurethane 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.

Areas of application

FANTASTIC-FILL can be used for shopfitting and on all interior fixtures and fittings, including in kitchens and bathrooms and the furnishing of ship interiors. Depending on application method, FANTASTIC-FILL can also be used in different hardening versions.

Target groups

Internal fit-out, Kitchen and bathroom, Furniture, The fitting out of ship interiors, Special applications

ORDERING INFORMATION

Order number

White DP 4755-9343

Black DP 4755-9005

Container size 7 kg, 25 kg





Hesse FANTASTIC-COLOR DB 4888x(gloss level)-(colour)

Mixing ratio (by volume): 10 : 1 PU Hardener DR 4071

- Up to 60 % more material can be applied on vertical surfaces in comparison with standard PU colour lacquers
- A 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

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.

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

Order number	DB 48885-Colour tone
Gloss level	silk matt
Container size	1 l, 5 l, 25 l





Hesse FANTASTIC-CLEAR DE 4877x(gloss level)

Mixing ratio (by volume): 10 : 1 PU Hardener DR 4071

- **universally usable, even for heavily frequented areas**
- **excellent adhesion properties, even on critical and bleached woods**
- **easy application on vertical surfaces**

FANTASTIC-CLEAR is a light fast and transparent acrylate-based multicoat lacquer. Its wide variety of application options and uncomplicated processing mean that FANTASTIC-CLEAR is superb as a multicoat lacquer on all common types of wood and in parallel as an excellent finishing lacquer on FANTASTIC-COLOR. Its excellent adhesion properties mean that FANTASTIC-CLEAR can also be used on bleached woods. A good ability to stay on vertical surfaces significantly reduces the risk of runs.

Areas of application

FANTASTIC-CLEAR can be used in all areas of interior design and shopfitting, including in kitchens and bathrooms. Hardening can be adapted to be object- or process-oriented. Detailed information can be found under "Application hints" in this Technical Information. FANTASTIC-CLEAR is ideally matched as a top coat to complement FANTASTIC-FILL and FANTASTIC-COLOR in a complete colour coating.

Target groups

Internal fit-out, Kitchen and bathroom, Furniture, The fitting out of ship interiors, Special applications

ORDERING INFORMATION

Order number

dull matt DE 48770

matt DE 48772

silk matt DE 48774

satin gloss DE 48777

Container size 1 l, 5 l, 25 l





Hesse FANTASTIC-CLEAR ULTRAMATT DE 48770-0

Mixing ratio (by volume): 10 : 1 PU Hardener DR 4071

- **ultra matt < 3 % gloss**
- **velvety-soft feel**
- **universally applicable, even for heavily frequented areas**
- **can be used for high chemical and mechanical resistance on bleached woods**

FANTASTIC-CLEAR ULTRAMATT is a light fast, transparent and extremely matt acrylate-based multicoat lacquer. Its versatile application options on all common woods and its ease of use mean that FANTASTIC-CLEAR ULTRAMATT is outstanding as a multi-coat or finishing lacquer on top of Hesse polyurethane basecoats. It is an ideally matched combination product as an ultra-matt finishing lacquer on FANTASTIC-COLOR and gives a remarkable velvety feel to the surface. Application of FANTASTIC-CLEAR ULTRAMATT even on bleached woods is also possible.

Areas of application

FANTASTIC-CLEAR ULTRAMATT is a high quality PU lacquer for all interior and shop fittings; it can also be used for coatings in kitchens and bathrooms.

Target groups

Furniture, The fitting out of ship interiors, Special applications

ORDERING INFORMATION

Order number

dull matt DE 48770-0

Gloss level 60 ° (Gloss) 0 - 3

Container size 1 l, 5 l, 25 l





Hesse HYDRO TOP-COAT HE 6509x(gloss level)

- Solvents content < 3 %, thus also suitable for "Green Building" items.
- Non-slip class R10 per DIN 51130

Hesse HYDRO TOP-SIEGEL is a light fast and colourless 1C multicoat lacquer with very good chemical and mechanical resistance and good sanding properties. The product has a wide field of application and is suitable both for priming and top coating of open- to closed-pore structures, e.g. for coating staircases to be creak-free. Our HYDRO TOP-SIEGEL is equally suitable for coating children's toys as per DIN EN 71-3 and its very low VOC content means it can also be used for „Green Building“ projects.

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

Order number		Gloss level 60 ° (Gloss)
matt	HE 65093	13 - 17
silk matt	HE 65094	18 - 23
satin gloss	HE 65096	30 - 39
Container size	5 l, 25 l	





Hesse HYDRO-PUR MATO HDU 54200

Mixing ratio (by volume): 10 : 1 HYDRO Hardener HDR 5086

- **dull matt surface appearance**
- **Softfeeling**
- **excellent scratch resistance**
- **self-healing-effect**

This light fast HYDRO-PUR MATO excels due to its elegant and even dull matt surface coupled with excellent scratch resistance. The finished surface exhibits outstanding resistance against chemical and mechanical demands. Its soft-touch feel in particular makes this innovative 2C HYDRO system the first choice when it comes to resistant and sophisticated surfaces. Should deformation of the lacquer surface occur due to impacts or scratches despite the very resistant surface, this can easily be repaired by simply wiping it with a damp cloth.

Areas of application

As a high quality, dull matt, resistant finishing lacquer for all furniture and interior fittings on suitable substrates and multi-coat lacquers; for clear, stained or colour lacquer surfaces. It can even be used for coating kitchen and bathroom furniture.

Target groups

Internal fit-out, Furniture, Special applications, Doors

ORDERING INFORMATION

Order number

dull matt HDU 54200

Container size 1 l, 5 l, 25 l





Hesse HYDRO Filler HP 6645-9343

- **Good body**
- **Thixotropic**

This 1C isolation primer is formulated to be thixotropic and have good body. It is therefore ideally suited as a primer for closed-pore lacquer structures with good hold on vertical surfaces. This isolation primer is water-based and can be machine sanded. It can be subsequently coated using both HYDRO colour lacquers and CN or PU colour lacquers. HYDRO Filler HP 6645-9343 in combination with HB 65285-(colour tone) is classified as flame retardant under DIN 4102 B1, certified under „Dubai Green Building“ and classified under DIN EN 13501-1.

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, stair

ORDERING INFORMATION

Order number

White HP 6645-9343

Container size 5 kg, 25 kg





Hesse HYDRO PRO-COLOR HB 6528x(gloss level)-(colour tone)

- VOC content < 3 %, thus also suitable for “Green Building” items
- Good coverage
- Use as a glass coating (3 % HDR 5002)
- Fire behaviour classified under DIN EN 13501-1

NEW RECIPE!

Improved scratch resistance,
Drying and blocking resistance.

HYDRO PRO-COLOR is characterised by its elegant surface formation that results in good scratch resistance and durability. This light fast 1C colour lacquer also features high opacity. The product is suitable for base and top coating with a wide field of application. Given its low solvent content, this product is also suitable for „Green Building” projects. It is additionally classified as flame retardant under DIN EN 13501-1.

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. Also suitable for coating decorative glass surfaces after adding HYDRO cross-linker.

Target groups

Internal fit-out, Furniture, Special applications, stairs

ORDERING INFORMATION

Order number	
silk matt Black	HB 65285-9005
silk matt White	HB 65285-9010
Gloss level 60 ° (Gloss)	24 - 29
Container size	1 l, 5 l, 25 l





Proterra NATURAL SOLID OIL GE 11254

- Quick-drying natural oil
- Low-solvent, so a pleasant odour
- Antimicrobial effect according to ISO 22196: 2007

This is a mixture of extremely low-solvent and low-odour high solid natural oils with outstanding mechanical and chemical resistance. For low-emission surface coating of exclusive indoor wood surfaces with normal to high use. Easy to apply, fast drying and with cobalt- and lead-free siccatives. Can be optionally hardened for even faster drying and even better resistance. One to two applications using a spatula, roller or cloth and subsequent rubbing in with removal of the excess. Our NATURAL- SOLID-OIL is so economical that the wood will already be reliably protected with just one application of the hardened oil.

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. Suitable for coating children's toys. Certified according to IMO so it can be applied on ship interiors

Target groups

Internal fit-out, Furniture, Crafted parquet flooring, Special applications, Doors, stairs, The fitting out of ship interiors

ORDERING INFORMATION

Order number	GE 11254
Container size	1 l, 2,5 l, 5 l, 25 l





Hesse COLOR-SOLID-OIL GB 1125x(gloss level)-(colour tone)

- Quick-drying natural oil
- Low-solvent, so a pleasant odour
- Good chemical resistance

Coloured, extremely low-solvent and low-odour HIGHSOLID natural oil with outstanding mechanical and chemical resistance. For coloured surface coating of exclusive indoor wood surfaces with normal to high use. Easy to apply, fast drying and with cobalt- and lead-free siccatives. Can be optionally hardened for even faster drying and even better resistance. One to two applications using a spatula, roller or cloth and subsequent rubbing in with removal of the excess.

Areas of application

Furniture, parquet surfaces and stair treads with normal to high interior use. Certified according to IMO so it can be applied on ship interiors

Target groups

Internal fit-out, Furniture, Special applications, Doors, The fitting out of ship interiors



Presentation box with 21 selected exclusive Colors of the COLOR-SOLID-OIL series.

ORDERING INFORMATION

Order number	GB 11252-Colour tone
Container size	1 l, 2,5 l, 25 l





Hesse SPEEDCARE-OIL OE 52872

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

Fast-drying, butanone oxime-free mixture of natural oils, combined with alkyd resins refined with natural oils. Special innovative and non-labeled 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. Our SPEEDCARE-OIL impresses clients with a uniform matt look together with good wood grain accentuation and transparency.

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

Order number	
matt	OE 52872
Container size	2,5 l, 5l, 25 l





Hesse INVIPRO-OIL OE 52860

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

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.

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

Order number OE 52860

Container size 1 l, 2,5 l, 25 l





Hesse CREATIVE-METALLIC DB 46555-(colour tone)

Mixing ratio (by volume): 10 : 1 PU Hardener DR 4070

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

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.

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

Order number

silk matt COPPER	DB 46555-CU01
silk matt GOLD	DB 46555-GD01
silk matt SILVER COARSE	DB 46555-MC01
silk matt SILVER FINE	DB 46555-MF01
silk matt SILVER MEDIUM	DB 46555-MM01
Gloss level 60 ° (Gloss)	24 - 29
Container size	5 l, 25 l





Hesse COLOR READER

The smart spectrophotometer
in pocket format

- Finding the colour tone within 1 second
- More than 90% time saving compared to traditional colour search with colour cards
- Data base containing about 5000 shades from RAL Classic, RAL Design, NCS S , Sikkens

Everybody knows the situation: Colour tones are to be selected according to a reference sample. For example, the customer wants a building component to be painted in the shade of his wallpaper. The problem is finding the right colour tone from a large number of colour cards. Rising to the challenge, the surface specialists at Hesse now offer a clever, and portable, solution. The Hesse ColorReader! It fits in every handbag or trouser pocket. The Reader measures the desired reference sample and submits the data via Bluetooth to your Apple- or Android smartphone. The ColorReader App then searches the Hesse database, currently containing about 5000 different shades, and displays the best matching shades plus related Hesse product number. The App even retains its history, allowing the user to create their own unique palette of colour tones.



Hesse ColorWriter

ColorReader, which can read colour tones, is now joined by ColorWriter as a new Hesse App. The app replaces the glaze varnish fan which has been used in many cases so far. With the camera of the smartphone the wood to be coloured is simply recorded. In the next step the photo is fine-tuned to match the original. Then the colour filters can be selected. The colour filters correspond to the previous films from the glaze varnish fan. The photo is coloured in this way and can then be saved in a library. From this library the corresponding recipe of the colour concentrates is documented. Basis for the colouring can be both solvent-based and water-based glaze varnish concentrates.

Further information at
the Hesse website:
www.hesse-lignal.de >
News Alternative
directly via this QR code



Notes

Disclaimer

Our technical information is continually adapted to keep up to date with the latest technology and statutory regulations. The latest version is always available online at www.hesselignal.de or talk to your local account manager. This information is for advice and is based on the best knowledge available and careful research in line with the current state of the art. This information is not legally binding. We also refer you to our Terms and Conditions. Material safety data sheet is provided in accordance with EC regulation no. 1907/2006.

Version: 11.2020



Hesse Lignal
inspiring you

inspiring you



Hesse GmbH & Co. KG
Warendorfer Str. 21
59075 Hamm – Germany

Tel.: + 49 23 81 9 63 00
Fax: + 49 23 81 96 38 49
E-mail: info@hesse-lignal.de
www.hesse-lignal.de