



# Paint Express

## The color mixing system for stains, oils and varnishes

### System overview

HYDRO Colour lacquer	COOL-COLOR
HYDRO-UV Colour lacquer	FABULAC
HYDRO-PU Colour lacquer	PERFECT-COLOR
HYDRO-PU Glass	HYDRO-PU Glass colour lacquer
PU Colour lacquer	FANTASTIC-COLOR
PU Colour lacquer	UNA-COLOR
PU Colour lacquer	UNA-THIX-COLOR
PU Metallic lacquer	CREATIVE-METALLIC
PU High gloss lacquer coloured	BRILLANT-COLOR
HYDRO stains	stain mixing system BMS
Solvent stains	stain mixing system BMS
Colour oil	COLOR-SOLID-OIL
Colour oil	NATURAL-COLOR-OIL

### Databases



## Modular COOL-COLOR system

Our COOL-COLOR HYDRO-Colour lacquer is characterized by its elegant surface finish, which imparts good scratch resistance and durability. This light fast 1C acrylic-based colour lacquer also offers high opacity. The product is very versatile and is suitable for priming and top coating. Its low VOC content also makes this product suitable for "Green Building" projects. It is also classified as low-flammable according to DIN EN 13501-1.

### HB 65285-(colour tone) COOL-COLOR silk matt

Our modular COOL-COLOR can be used to produce the following products:

<b>HB 65282-(colour tone)</b>	<b>COOL-COLOR matt</b>	Additive required <b>HZ 77</b>
<b>HB 65287-(colour tone)</b>	<b>COOL-COLOR satin gloss</b>	
<b>HB 65852-(colour tone)</b>	<b>COOL-COLOR Pearl structure fine</b>	<b>HZ 710</b>
<b>HB 65842-(colour tone)</b>	<b>COOL-COLOR Pearl structure medium</b>	<b>HZ 720</b>
<b>HB 65832-(colour tone)</b>	<b>COOL-COLOR Pearl structure coarse</b>	<b>HZ 750</b>
<b>HB 65824-(colour tone)</b>	<b>COOL-COLOR for painting by brush</b>	<b>HZ 71</b>

Base materials	
Paste production	Clear base lacquer <b>HBM 65285-0901 silk matt</b>
	Clear base lacquer <b>HBM 65287-0901 satin gloss</b>
	Colour pastes <b>HFM 135, HFM 166, HFM 195, HFM 205, HFM 315, HFM 355, HFM 395, HFM 435, HFM 455, HFM 535, HFM 615, HFM 985, HFM 995-1</b>

## FABULAC HYDRO-UV Colour lacquer

Hesse FABULAC is the HYDRO-UV Colour lacquer for all industrial applications where very good resistance is required. FABULAC is a water-based and UV-hardened lacquer system that sets new standards in terms of feel, resistance and ready-for-use properties. Superbly opaque surfaces can be achieved in all colour ranges by using the dual-cure process with the addition of a hardener.

<b>HUB 855-(colour tone)</b>	<b>FABULAC silk matt</b>	("Special" database)
<b>HUB 85515-(colour tone)</b>	<b>FABULAC silk matt</b>	("Special" database)

Base materials	
Lacquer-in-lacquer production	Base lacquers: <b>HUB 855-135, HUB 855-166, HUB 855-169, HUB 855-180, HUB 855-195, HUB 855-255, HUB 855-315, HUB 855-355, HUB 855-395, HUB 855-435, HUB 855-455, HUB 855-535, HUB 855-615, HUB 855-985, HUB 855-995</b>

## Modular PERFECT-COLOR system

Our Hesse PERFECT-COLOR results in an excellent colour lacquer surface, which is particularly resistant to mechanical and chemical stress. Its excellent flow properties mean that PERFECT-COLOR is easy to apply. Its rapid complete drying, plus the possibility of forced drying, make it possible to stack or further process even heavy workpieces the very next day. Hesse PERFECT-COLOR HDB 5434x(gloss level)-(colour tone) is a top rate, light fast Multicoat lacquer for priming and top coating.

### HDB 54345-(colour tone) PERFECT-COLOR silk matt

Our modular PERFECT-COLOR can be used to produce the following products:

Standard products		Additive required
<b>HDB 54342-(colour tone)</b>	<b>PERFECT-COLOR matt</b>	
<b>HDB 54347-(colour tone)</b>	<b>PERFECT-COLOR satin gloss</b>	
<b>HDB 54372-(colour tone)</b>	<b>PERFECT-COLOR Pearl structure fine</b>	<b>HZ 710</b>
HDB 54382-(colour tone)	PERFECT-COLOR Pearl structure medium	HZ 720
<b>HDB 54392-(colour tone)</b>	<b>PERFECT-COLOR Pearl structure coarse</b>	<b>HZ 750</b>

Base materials	
Paste production	Clear base lacquer <b>HDM 54342-0901 silk matt</b>
	Clear base lacquer <b>HDM 54345-0901 silk matt</b>
	Clear base lacquer <b>HDM 54347-0901 satin gloss</b>
	Colour pastes <b>HFM 135, HFM 166, HFM 195, HFM 205, HFM 315, HFM 355, HFM 395, HFM 435, HFM 455, HFM 535, HFM 615, HFM 985, HFM 995-1</b>

## HYDRO-PU Glass colour lacquer

A particularly colour stable HYDRO PU Colour lacquer, which has been specifically developed for coating glass in the spraying process. Its innovative formula makes this product extremely light fast and opaque. An opaque colour lacquer layer with uniform pigment distribution can thus be achieved with just a small application quantity. You achieve an extremely waterproof and scratch-resistant glass lacquer surface that is also highly resistant to chemical and mechanical demands. Forced drying makes it possible to harden the surface within a few minutes.

### HDB 57485-(colour tone) HYDRO-PU Glass colour lacquer

Base materials	
Paste production	Clear base lacquer <b>HDM 57485-0901 silk matt</b>
	Colour pastes <b>HFM 135, HFM 166, HFM 195, HFM 205, HFM 315, HFM 355, HFM 395, HFM 435, HFM 455, HFM 535, HFM 615, HFM 985, HFM 995-1</b>

## Modular FANTASTIC-COLOR system

FANTASTIC-COLOR is a light fast and very balanced two-component colour lacquer with an impressive opacity and fast drying. This acrylic-based product is particularly characterised by its outstanding ability to stay on vertical surfaces, combined with its excellent levelling on a horizontal surface. FANTASTIC-COLOR is suitable for top coating and is therefore the ideal colour lacquer for very sophisticated and high-quality colour lacquer finishes with an impressive feel and ring-resistance. It is also possible to apply FANTASTIC-COLOR directly onto sanded, bare MDF edges and surfaces.

### DB 48885-(colour tone) FANTASTIC-COLOR silk matt

Our modular FANTASTIC COLOR can be used to produce the following products:

#### Standard products

		Additive required
DB 48882-(colour tone)	FANTASTIC-COLOR matt	EL 459-0099
DB 48887-(colour tone)	FANTASTIC-COLOR satin gloss	EL 460-0028
DB 42301-(colour tone)	FANTASTIC-COLOR Pearl structure coarse	EL 460-0029
DB 42361-(colour tone)	FANTASTIC-COLOR Pearl structure fine	EL 460-0030
DB 42395-(colour tone)	FANTASTIC-COLOR Glass colour lacquer	EL 460-0025

#### Special products ("Special" database)

DB 48883-(colour tone)	FANTASTIC-COLOR matt	EL 459-0099
DB 48884-(colour tone)	FANTASTIC-COLOR silk matt	EL 459-0099
DB 48886-(colour tone)	FANTASTIC-COLOR satin gloss	EL 460-0028
DB 42341-(colour tone)	FANTASTIC-COLOR Pearl structure medium	EL 460-0043
DB 42381-(colour tone)	FANTASTIC-COLOR Pearl structure very fine	EL 460-0045
DB 42284-(colour tone)	FANTASTIC-COLOR Spatter effect	ZD 3596

Base materials	
Paste production	Clear base lacquer <b>DBM 48884-0901</b>
	Colour pastes <b>LPM 4810, LPM 4813, LPM 4814, LPM 4815, LPM 4820, LPM 4830, LPM 4834, LPM 4835, LPM 4840, LPM 4845, LPM 4850, LPM 4855, LPM 4860, LPM 4896</b>
	Colour paste white <b>LPM 4171</b>
	Optional: white base lacquer <b>DBM 48884-0122</b>
Lacquer-in-lacquer production	Base lacquer white <b>DB 48885-100</b>
	Base lacquer coloured <b>DB 48885-101, DB 48885-102, DB 48885-103, DB 48885-104, DB 48885-105, DB 48885-106, DB 48885-109, DB 48885-110, DB 48885-201, DB 48885-207, DB 48885-208, DB 48885-210, DB 48885-308, DB 48885-501</b>

## Modular UNA-COLOR system

UNA-COLOR is an acrylic-based PU Colour lacquer with excellent lacquer levelling. Its superb adhesion to almost all substrates, uncomplicated processing and a pot life of 3 days make this colour lacquer ideally suited for universal use.

### DB 45245-(colour tone) UNA-COLOR silk matt

Our modular UNA-COLOR can be used to produce the following products:

#### Standard products

		Additive required
<b>DB 45242-(colour tone)</b>	<b>UNA-COLOR matt</b>	<b>EL 459-0099</b>
<b>DB 45247-(colour tone)</b>	<b>UNA-COLOR satin gloss</b>	<b>EL 460-0028</b>
<b>DB 42105-(colour tone)</b>	<b>UNA-COLOR Glass colour lacquer, silk matt</b>	<b>EL 460-0025</b>
<b>DB 42214-(colour tone)</b>	<b>UNA-COLOR Pearl structure fine</b>	<b>EL 460-0030</b>
<b>DB 45822-(colour tone)</b>	<b>UNA-COLOR Pearl structure coarse</b>	<b>EL 460-0029</b>
<b>DB 45575-(colour tone)</b>	<b>UNA-COLOR ring proof, silk matt</b>	<b>EL 460-0046</b>

#### Special products ("Special" database)

<b>DB 45240-(colour tone)</b>	<b>UNA-COLOR dull matt</b>	<b>EL 459-0099</b>
<b>DB 45243-(colour tone)</b>	<b>UNA-COLOR matt</b>	<b>EL 459-0099</b>
<b>DB 45244-(colour tone)</b>	<b>UNA-COLOR silk matt</b>	<b>EL 459-0099</b>
<b>DB 45246-(colour tone)</b>	<b>UNA-COLOR satin gloss</b>	<b>EL 460-0028</b>
<b>DB 45251-(colour tone)</b>	<b>UNA-COLOR Pearl structure medium</b>	<b>EL 460-0043</b>
<b>DB 46451-(colour tone)</b>	<b>UNA-COLOR Pearl structure very fine</b>	<b>EL 460-0045</b>
<b>DB 46125-(colour tone)</b>	<b>UNA-COLOR for brushing, silk matt</b>	<b>EL 460-0048</b>
<b>DB 46925-(colour tone)</b>	<b>UNA-COLOR FINAL COAT</b>	
<b>EB 137-(colour tone)</b>	<b>UNA-CN-COLOR</b>	<b>ZD 838</b>
<b>CLM 138-(colour tone)</b>	<b>UNA-COLOR Pigment glaze</b>	<b>CZ 735</b>

Base materials	
Paste production	Clear base lacquer <b>DBM 42994-0901</b>
	Colour pastes <b>LPM 4810, LPM 4813, LPM 4814, LPM 4815, LPM 4820, LPM 4830, LPM 4834, LPM 4835, LPM 4840, LPM 4845, LPM 4850, LPM 4855, LPM 4860, LPM 4896</b>
	Colour paste white <b>LPM 4171</b>
Lacquer-in-lacquer production	Base lacquer white <b>DB 45245-100</b>
	Base lacquer coloured <b>DB 42995-101, DB 42995-102, DB 42995-103, DB 42995-104, DB 42995-105, DB 42995-106, DB 42995-109, DB 42995-110, DB 42995-201, DB 42995-207, DB 42995-208, DB 42995-210, DB 42995-308, DB 42995-501</b>

## Modular UNA-THIX-COLOR system

UNA-THIX-COLOR is a light fast PU Colour lacquer featuring a thixotropic lacquer formulation for simple processing on vertical surfaces or components. Its superb adhesion to almost all substrates, uncomplicated processing and a pot life of 3 days make this colour lacquer ideally suited for universal use. DB 45205-(colour tone) is recoatable using all common light fast Multicoat and top coat lacquers to obtain optimum ring-resistance.

**DB 45205-(colour tone)    UNA-THIX-COLOR silk matt**

Our modular UNA-THIX-COLOR can be used to produce the following products:

Standard products		Additive required
<b>DB 45202-(colour tone)</b>	<b>UNA-THIX-COLOR matt</b>	<b>EL 459-0099</b>
<b>DB 45207-(colour tone)</b>	<b>UNA-THIX-COLOR satin gloss</b>	<b>EL 460-0028</b>
<b>DB 42684-(colour tone)</b>	<b>UNA-THIX-COLOR Pearl structure fine</b>	<b>EL 460-0030</b>
<b>DB 45862-(colour tone)</b>	<b>UNA-THIX-COLOR Pearl structure coarse</b>	<b>EL 460-0029</b>
<b>DB 45975-(colour tone)</b>	<b>UNA-THIX-COLOR ring proof, satin gloss</b>	<b>EL 460-0046</b>
<b>DB 46135-(colour tone)</b>	<b>UNA-THIX-COLOR for brushing</b>	<b>EL 460-0048</b>
<b>DB 45645-(colour tone)</b>	<b>UNA-THIX-COLOR Glass Colour lacquer</b>	<b>EL 460-0025</b>
Special products ("Special" database)		
<b>DB 45200-(colour tone)</b>	<b>UNA-THIX-COLOR dull matt</b>	<b>EL 459-0099</b>
<b>DB 45851-(colour tone)</b>	<b>UNA-THIX-COLOR Pearl structure medium</b>	<b>EL 460-0044</b>
<b>DB 46181-(colour tone)</b>	<b>UNA-THIX-COLOR Pearl structure very fine</b>	<b>EL 460-0045</b>

Base materials	
Paste production	Clear base lacquer <b>DBM 42994-0903</b>
	Colour pastes <b>LPM 4810, LPM 4813, LPM 4814, LPM 4815, LPM 4820, LPM 4830, LPM 4834, LPM 4835, LPM 4840, LPM 4845, LPM 4850, LPM 4855, LPM 4860, LPM 4896</b>
	Colour paste white <b>LPM 4171</b>
Lacquer-in-lacquer production	Base lacquer white <b>DB 45205-100</b> Base lacquer coloured <b>DB 42995-101, DB 42995-102, DB 42995-103, DB 42995-104, DB 42995-105, DB 42995-106, DB 42995-109, DB 42995-110, DB 42995-201, DB 42995-207, DB 42995-208, DB 42995-210, DB 42995-308, DB 42995-501</b>

## Modular CREATIVE-METALLIC system

Use Hesse CREATIVE-METALLIC Colour lacquer to design unique interior fittings and to coat furniture and doors. Create the most attractive metallic effects with coarse to fine metallics, from silver, copper and gold tones to modern coloured metallics. The associated CREATIVE-METALLIC colour chart contains depictions of 112 different colour tones that reveal the full diversity of this system. All of the lacquers in this range can of course be mixed with each other to achieve an almost unlimited variety of effects.

### **DB 46555-(colour tone) CREATIVE-METALLIC silk matt**

Our modular CREATIVE-METALLIC system can be used to produce the following products:

Special products ("Special" database)		Additive required
DB 46552-(colour tone)	CREATIVE-METALLIC matt	EL 459-0099
DB 46557-(colour tone)	CREATIVE-METALLIC satin gloss	EL 460-0028

Base materials	
Paste production	<b>DB 46555-MC01</b> Silver coarse
	<b>DB 46555-MM01</b> Silver medium
	<b>DB 46555-MF01</b> Silver fine
	<b>DB 46555-GD01</b> Gold
	<b>DB 46555-CU01</b> Copper
	Colour pastes <b>LPM 4810, LPM 4813, LPM 4814, LPM 4815, LPM 4820, LPM 4830, LPM 4834, LPM 4835, LPM 4840, LPM 4845, LPM 4850, LPM 4855, LPM 4860, LPM 4896</b>

## BRILLANT-COLOR

DB 44099-(colour tone) is a coloured high gloss lacquer featuring impressive lacquer levelling. This powerful filling product dries to be highly brilliant with a high gloss, combined with optimal sanding/polishing properties. Our coloured high gloss lacquer is available in almost all colour tones.

### **DB 44099-(colour tone) BRILLANT-COLOR**

Base materials	
Paste production	Clear base lacquer <b>DBM 44099-0901</b>
	Colour pastes <b>LPM 4810, LPM 4813, LPM 4814, LPM 4815, LPM 4820, LPM 4830, LPM 4834, LPM 4835, LPM 4840, LPM 4845, LPM 4850, LPM 4855, LPM 4860, LPM 4896</b>
	Colour paste white <b>LPM 4870</b>

## The BMS mixing system for HYDRO stains

Precious wood stains are formulated purely on a dyestuff base and feature a brilliant and transparent stain appearance. The structure and texture of the wood is not covered. The result is a warmer tone with deeper penetration. Coarse pored woods do not have the pores emphasized.

**BE (colour tone)                      Precious wood stain**

Priming stains usefully combine pigment and dyestuff properties with one another: the brilliance and luminosity of the dyestuffs are augmented by the equalisation capability and increased light fastness of the pigments. The emphasis of the pores can also be influenced at the same time.

**BG (colour tone)                      Priming stain**

Coloured stains are created based purely on pigment. Due to the use of micro-fine pigments, however, they have a higher brilliance and transparency than otherwise usual for this stain type. The wood's structure is more or less strongly covered depending on colour tone depth. Colour tones can therefore be achieved which are even lighter than the inherent wood colour.

**BC (colour tone)                      Colour stain**

Multi stains have been conceived for universal recoating using standard lacquer systems common in craftsmanship. They are therefore formulated based on nanoscale, ultra-fine pigments and are thus suitable for finishing with HYDRO lacquers, as well as with classic PU or NC lacquers.

**WUE (colour tone)                      HYDRO Multi stain, equalising**

**WUR (colour tone)                      HYDRO Multi stain, pore emphasis**

PICEA Softwood stain WN can be used to create brilliantly clear stain images with a positive effect. It intensifies the colour tone of the dark annual rings in coniferous wood. It is universally usable beneath solvent- and water-based lacquer systems, whereas PICEA Softwood stains WNS also contain pigments for white to pastel tones beneath PU lacquers. These latest generation dyestuffs produce vibrant but light-stable stain effects.

**WN (colour tone)                      PICEA Softwood stain**

**WNS (colour tone)                      PICEA Softwood stain**

Gloss stains are waxy with a strong positive staining effect, for use on structurally brushed, sanded or coarsely sanded softwood, such as spruce and fir.

**BU (colour tone)                      Gloss stain**

Parquet stains should be applied and distributed using the pad method due to the large surfaces to be coated. Parquet stains are based purely on pigments to achieve maximum light fastness. This enables universal coating, both with solvent-based and aqueous lacquer systems.

**WPB (colour tone)                      Parquet stain**

HYDRO Wiping stain is a paste-like, water-dilutable stain for open-pored or structured woods to achieve contrasting emphasis of the pores.

**TW 4130-(colour tone)                      HYDRO Wiping stain**





## BMS stain mixing system for solvent-based stains

**Rustic stains** feature very good emphasis of the pores and an elegant stain effect on porous woods, such as oak, ash, etc.

**Spraying stains** feature a very elegant stain effect on non- to fine-pored woods like beech, cherry, walnut, etc. An equalising effect that does not emphasize the pores can be achieved on porous woods like oak, ash, etc. Further positive properties are their fast drying and the lack of any roughening of the wood.

**CL (colour tone)**

**Rustic stain**

**CL (colour tone)**

**Spraying stain**

## BMS stain mixing system for solvent-based wiping stains

Solvent-based wiping stain with fast drying and configurable consumption behaviour for pore colouring on pre-primed woods with coarse pores.

**TD 4220-(colour tone)**

**Wiping stain for pore effect**

Solvent-based wiping stain for line effects with configurable line intensity.

**TD 4217-(colour tone)**

**Wiping stain Line effect**

**BMS stain mixing system for solvent-based stains**

Stain type	Rustic stain CL	Spraying stain CL	Wiping stain for pore colouring TD 4220-(colour tone)	Wiping stain Line effects TD 4217-(colour tone)
Base product				
<b>Dyestuff concentrates</b>				
CF 5010	X	X		
CF 5020	X	X		
CF 5030	X	X		
CF 5062	X	X		
CF 5080	X	X		
CF 5090	X	X		
<b>Pigment concentrates</b>				
CP 7010	X	X		
CP 7020	X	X		
CP 7030	X	X		
CP 7050	X	X		
CP 7080	X	X		
CP 7090	X	X		
CP 7110	X	X		
CP 7131	X	X		
CP 7134	X	X		
CP 7190	X	X		
CP 7560	X	X		
CP 7590	X	X		
CP 7610	X	X		
CP 7630	X	X		
CP 7670	X	X		
TK 7111-0001			X	X
TK 7130-0001			X	X
TK 7135-0001			X	X
TK 7150-0001			X	X
TK 7170-0001			X	X
TK 7191-0001			X	X
<b>Additives</b>				
CV 501 Thinner	X	X		
CV 553 Thinner	X	X		
CV 554 Thinner				X
CV 555 Thinner	X			
CV 582 Thinner		X		
CV 584 Thinner		X		
CV 593 Thinner		X		
CZ 460		X		
CZ 740 Binder	X	X		
TD 4112-0001 Base stain				X
TD 4120 Base stain			X	
TD 4121 Binding agent solution				X
TZ 300 Additive			X	
ZD 273 Additive			X	
TV 4104 Retarder				X

## COLOR-SOLID-OIL

A coloured, extremely low solvent and mild smelling HIGH-SOLID natural oil with outstanding mechanical and chemical resistance. For creating exclusive coloured surfaces on wood with normal to high use in interiors. Easy to apply, fast-drying and free from cobalt- and lead-containing siccatives. Can optionally be hardened for even faster drying and even better resistance.

**GB 11252-(colour tone) COLOR-SOLID-OIL**

Base materials	
Paste production	Clear oil <b>GE 11254</b>
	Colour pigments <b>OP 101, OP 103, OP 300, OP 306, OP 400, OP 405, OP 500, OP 600, OP 900, OP 8099</b>
	Colour concentrates <b>OF 8011, OF 8031, OF 8034, OF 8091</b>

## NATURAL-COLOR-OIL

Hesse NATURAL-COLOR-OIL is a fast-drying and mild smelling mixture of natural oils and natural oils modified using alkyd resins; tinted with particularly light fast special pigments. Exclusive raw material selection results in it not being subject to labelling under the latest version of the European Classification, Labelling and Packaging (CLP) Directive. It meets the requirements of EN 71-3 (11-2014) and is therefore suitable for use on children's toys. A tough-elastic, but still open-pored and breathable surface forms after drying, which has good abrasion resistance and great resistance against household chemicals.

**OB 52832-(colour tone) NATURAL-COLOR-OIL**

Base materials	
Paste production	Clear oil <b>OE 52832</b>
	Colour pigments <b>OP 101, OP 103, OP 300, OP 306, OP 400, OP 405, OP 500, OP 600, OP 900, OP 8099</b>
	Colour concentrates <b>OF 8011, OF 8031, OF 8034, OF 8091</b>