

DÖRKEN

**THE PROFESSIONALS
IN TINTING SYSTEMS**



DÖRKEN: We are your reliable partner when it comes to pigment pastes and customized solutions for toning systems. Our product selection includes paste systems for a wide range of services. Whether for water-based or solvent-based applications, decorative or industrial purposes – all our solutions are high-quality solutions.

Well-founded advice is an absolute must for us at DÖRKEN regardless of whether you intend to purchase single pastes or entire toning systems. We put our know-how at your disposal not only when you want to change your toning system but also when you wish to render your sourcing strategy more flexible.

Feel free to get in touch with us. Together we will take the next step in the direction of the toning system perfectly tailored to your special requirements!

4 PRODUCT LINES

TINTING PASTES

COMPATIBILITY

Universal

Aqua

Industry

Solvent

- › standardized and reproducible
- › tight tolerances
- › perfect for use in mixing systems
- › no settling, no sedimentation

- › Universal and Aqua pastes can be combined for varnishes
- › Universal and Solvent pastes can be combined for wood glazes
- › different pastes can be used at the same time in just one mixing system

COLOUR DESIGN

Opting for the DÖRKEN toning system is always a decision in favour of a comprehensive package of service features.

We carry out a **product line analysis** on the basis of your existing toning system and then advise you on the possible increases in terms of efficiency. This determines which of our paste systems is the most suitable for you – whether the water-based, the solvent-based or the universal pastes. On the basis of the product line and colour range analysis and according to your requirements we develop a concept for the optimization of your colour recipes and then **define all main parameters**.

Before providing colour matching sequences we undertake extensive **compatibility tests** to determine which pigment preparation leads to the desired results when added to the basic material. We are experts in using the software solutions by Largo Innova and Datacolor to **provide colour matching sequences**.

DÖRKEN currently manages **more than 450 colour fan collections**. These collections include not only the NCS index and RAL but also the colour fans currently well-established all over Europe, such as the two colour fans which are offered by the DÖRKEN company: the colour fan for interior wall paints LUCITE Spirit of Colours and the facade paint colour fan LUCITE Design A1.

If you should need a fast solution we are also able to provide initial **guide recipes** whose high performance is comparable to that of any other competitive product.

We are pleased to share our extensive operating experience and substantial know-how with you giving special **training courses** focussing on the practical application of mixing system software solutions such as Datacolor, Largo Innova, Fast & Fluid, Corob and others.

COLOUR MIXING TECHNOLOGY

The current colour mixing systems are an indispensable tool for the production of colourful paints and varnishes at any time and anywhere. Toning **pastes** play a **key role** in the field of **colour mixing**. In combination with the most modern dosing technology they determine the quality of the mixed product.

Individual colour mixing systems can be created according to the user's requirements from an almost unlimited number of products, colour mixing recipes, paste configurations and mixing system types. At the same time digital technology is developing at a fast pace. Thanks to the **online connection of mixing systems** data and statistics, reports and sales figures can be generated in real time.

What DÖRKEN offers you is your own individual colour mixing system. Our specialized staff will carry out the installation of the system and you will be offered an in-company training for the handling of your system. Regular maintenance carried out once a year is **included** in our service. Thanks to the pre-stored price groups for each colour our mixing system software shows you how expensive the mixed product will be. Furthermore, an online connection to a **Complaint Service** can be used to contact our Customer Service directly. Here you will get instant support and the improved recipe will be transferred to your system immediately.

UNIVERSAL

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DÖRKEN Universal is the best solution for universal applications. Thanks to its wide range of applications the paste system always satisfies, offering maximum flexibility within the toning concept.

In addition to very colourful organic pigments DÖRKEN Universal uses a large number of inorganic pigments thus providing you with an ideal choice and infinite composition options for every purpose. This product line of pastes offers an extensive range of colours regardless of the mixing system used, for example for silicone and silicate systems, glazes and varnishes. Thus you can achieve optimal results even on a 16-piece mixing system which can also be obtained using larger mixing systems.

SPECIAL FEATURES

- › high coverage even when adding less than 7% of paste to transparent basic materials
- › suitable for in-plant and Point of Sale toning
- › ISO 9000.1, ISO 14-001, EMAS 3, EU ECO label
- › perfect for plasters, polyurethane, silicate, polyvinyl acetate, silicone, facade paints and special applications
- › ideal combination of very colourful organic pigments and selected inorganic pigments for various applications
- › compatible with different systems, from solvent-based and water-based systems to silicate and silicone systems
- › highly light stable and weather resistant according to BFS data sheet 26

SPECIFICATIONS

			Colour	Colour Index	Pigment Content	Ø Density	BFS Data Sheet	Light Stability	Weather Resistance	Resistance to Alkalis	Resistance to Acids
Universal - inorganic pigments											
111		White	PW 6	60	2.00	1	N/A	N/A	5	5	
112		Yellow BiVa G	PY 184	56	2.04	2 1	8	4-5	5	4-5	
114		Yellow Oxide Transp.	PY 42	28	1.27	1	8	x	5	x	
118		Red Oxide Transp.	PR 101	25	1.29	1	8	5	x	x	
120		Magenta Oxide	PV 15	56	1.51	1	8	4-5	5	4-5	
124		Green Oxide	PG 17	63	2.16	1	8	5	5	5	
138		Red Oxide B	PR 101	61	2.17	1	8	5	5	5	
142		Ultramarine Blue	PB 29	47	1.44	1	8	4-5	5	4-5	
144		Turquoise Cobalt	PB 28	45	1.65	1	8	5	5	5	
500		Yellow Oxide	PY 42	59	1.90	1	8	5	5	5	
541		Red Oxide Y	PR 101	60	2.04	1	8	5	5	5	
592		Black Oxide	PBk 33	39	1.83	1	8	5	5	5	
Universal - organic pigments											
115		Orange Y	PY 170	40	1.21	2	8	4	5	5	
117		Red	PR 254	40	1.21	2	8	4	5	5	
119		Red Violet	PR 122	18	1.09	3	7-8	4-5	5	5	
121		Blue R	PB 15:2	33	1.18	2	8	4-5	5	5	
123		Green	PG 7	11	1.25	2	8	5	5	5	
125		Black (LC)	PBk 7	11	1.29	2	8	5	5	5	
133		Yellow	PY 74	44	1.17	3	6-7	3	4	5	
139		Purple	PV 23	17	1.09	3	8	4	5	5	
145		Black (MC)	PBk 7	22	1.16	2	8	5	5	5	
159		Magenta	PR 122	18	1.09	3	7-8	4-5	x	x	
502		Yellow	PY 154	39	1.20	2	8	5	5	5	
542		Magenta	PR 122	20	1.17	3	7-8	4-5	5	5	

AQUA

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DÖRKEN Aqua is the solution for water-based applications.























A wide selection of inorganic and single organic pigments enables the toning of water-based varnishes, facade paints and plasters based on silicone, silicate and/or synthetic resin.

The new generation of pigments guarantees the best possible colour stability for your facade - naturally in compliance with all applicable environmental standards and guidelines.

SPECIAL FEATURES

- › especially compatible water-based pastes for water-based acrylate dispersions, silicate paints and mineral plasters
- › particularly recommended for water-based plasters – the plaster does not change viscosity
- › good resistance to alkalis and acids, special inorganic configuration
- › maximum light stability and resistance to weather thanks to special inorganic pigments or special high-quality organic pigments granting long-lasting bright colours on the facade
- › latest formulations

SPECIFICATIONS

			Colour	Colour Index	Pigment Content	Ø Density	BFS Data Sheet	Light Stability	Weather Resistance	Resistance to Alkalis	Resistance to Acids
Aqua - inorganic pigments											
262		Blue Cobalt R	PB 28	65	2.10	1	8	5	5	5	
274		Orange Oxide	PY 42	58	1.88	1	8	5	5	5	
278		Red Oxide Y	PR 101	59	2.05	1	8	5	5	5	
822		Magenta Oxide	PV 15	60	1.57	1	8	4-5	5	4-5	
845		Turquoise Cobalt	PG 50	48	1.85	1	8	5	5	5	
846		Ultramarine Blue	PB 29	54	1.59	1	8	4-5	5	4-5	
847		Black Oxide	PBk 33	55	2.03	1	8	5	5	5	
850		Green Cobalt	PG 50	67	2.22	1	8	5	5	5	
854		White	PW 6	65	2.07	1	N/A	N/A	5	5	
856		Yellow BiVa G	PY 184	60	2.27	2 1	8	4-5	5	4-5	
857		Zinc Orange	PY 216	50	2.07	1	7-8	4-5	5	4-5	
859		Yellow Oxide	PY 42	54	1.85	1	8	5	5	5	
861		Green Oxide	PG 17	70	2.40	1	8	5	5	5	
862		Red Oxide B	PR 101	65	2.27	1	8	5	5	5	
863		Orange Oxide	PO 85	65	1.98	2 1	8	4-5	5	4-5	
Aqua - organic pigments											
819		Red Y	PR 168	36	1.23	2	8	5	5	5	
837		Orange G	PY 110	30	1.35	2	8	5	4-5	5	
839		Black (HC)	PBk 7	30	1.33	2	8	5	5	5	
843		Blue G	PB 15:3	35	1.22	2	8	4-5	5	5	
849		Green	PG 7	30	1.41	2	8	4-5	5	5	
852		Magenta	PR 122	20	1.21	3	7-8	4-5	5	5	
853		Red	PR 254	35	1.35	2	8	4	5	5	
860		Yellow	PY 74	26	1.38	3	6-7	3	4	5	
865		Purple	PV 23	10	1.40	3	8	4	5	5	

INDUSTRY

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DÖRKEN Industry is our efficient solution for industrial serial production. The carefully selected pigments impress with their resistance to numerous influencing factors.

DÖRKEN Industry offers you a wide spectrum of colours for every mixing system, for example with long and short oil alkyds, polyesters, two-component polyurethane, epoxies and NC-systems.

SPECIAL FEATURES

- › excellent coverage
- › high heat and chemical resistance for two-component polyurethane, two-component epoxy, melamine and nitrocellulose systems
- › excellent light stability and weather resistance
- › suitable for spray application
- › compatible with corrosion protection systems, no reduction of protection according to DIN EN 12944
- › suitable for in-plant and Point of Sale toning

SPECIFICATIONS

	Colour	Colour Index	Pigment Content	Ø Density	BFS Data Sheet	Light Stability	Weather Resistance	Resistance to Alkalis	Resistance to Acids
Industry - Anorganische Pigmente									
600	Yellow Oxide	PY 42	55	1,95	1	8	5	x	x
601	Yellow BiVa G		45	1,35	2	6-7	4-5	x	x
602	Yellow Brown	PBr 24	70	2,15	1	8	4-5	x	x
642	Red Oxide Y	PR 101	65	2,13	1	8	5	x	x
690	White	PW 6	70	2,16	1	6-7	5	x	x
Industry - Organische Pigmente									
603	Orange Yellow	PY 139	30	1,26	2	8	5	x	x
604	Citron Yellow	PY 184	47	1,27	2	6-7	4-5	x	x
605	Yellow	PY 74	24	1,12	3	6-7	4-5	x	x
620	Orange	PO 36	28	1,18	2	7	5	x	x
621	Orange	PO 73	28	1,08	2	8	4-5	x	x
643	Violet	PV 23	8	1,14	3	8	4-5	x	x
644	Red	PR 254	45	1,18	2	8	4-5	x	x
645	Red	PR 170	39	1,11	3	6	4-5	x	x
646	Red INT	PR 112	35	1,09	3	6	4-5	x	x
660	Green	PG 7	24	1,15	2	8	5	x	x
675	Blue	PBL 15:4	19	1,21	2	8	5	x	x
692	Black (LC)	PBk 7	14	1,27	2	8	5	x	x
693	Black (HC)	PBk 7	24	1,25	2	8	5	x	x

SOLVENT

SOLVENT

DÖRKEN Solvent sets standards in toning technology for solvent-based varnish systems – and that for various areas of application. The very colourful selection of organic and inorganic pigments offers high coverage and a wide range of colours of maximum brilliance as well as high light stability and weather resistance. With the integration of transparent iron oxides in solvent-based glazes real wood colours can be perfectly reproduced.

SPECIAL FEATURES

- › compatible with solvent-based thin to thick-layer wood glazes, oils and varnishes
- › selection of very colourful organic and inorganic pigments for real wood colours
- › high coverage even when adding less than 10% of paste to transparent basic materials
- › UV radiation resistant and non-yellowing in long-term tests
- › to be used with Universal and Aqua pastes in one toning system

SPECIFICATIONS

	Colour	Colour Index	Pigment Content	Ø Density	BFS Data Sheet	Light Stability	Weather Resistance	Resistance to Alkalis	Resistance to Acids
Solvent - inorganic pigments									
311	White	PW 6	74	2.16	1	N/A	N/A	x	x
312	Yellow BiVa G	PY 184	60	2.06	2 1	8	4-5	x	x
354	Yellow Oxide	PY 42	65	1.84	1	8	5	x	x
358	Terracotta	PR 101	37	1.34	1	8	5	x	x
751	Yellow Oxide Transp.	PY 42	45	1.36	1	8	5	x	x
752	Red Oxide Transp.	PR 101	37	1.34	1	8	5	x	x
Solvent - organic pigments									
315	Orange Y	PY 170	36	1.05	2	7-8	4	x	x
317	Red	PR 254	36	1.07	2	8	4	x	x
321	Blue R	PB 15:2	16	1.25	2	8	4-5	x	x
333	Yellow	PY 74	40	1.05	3	6-7	3	x	x
339	Purple	PV 23	13	1.07	3	8	4	x	x
343	Green	PG 7	20	1.13	2	8	4-5	x	x
345	Black	PBk 7	13	1.13	2	8	5	x	x
359	Magenta	PR 122	20	1.00	3	7-8	4-5	x	x

**Discover
Expertise**



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