



COLORS &
EFFECTS

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We create chemistry

Microlith® K

Stir-in pigment preparations for solvent-based coatings with high transparency

Key features

- Organic and inorganic pigments pre-dispersed in a **vinyl copolymer resin**
- Dry powder, low dust processing
- Small particle size and extremely narrow particle size distribution
- Excellent color strength, gloss, light fastness and transparency, as well as outstanding dispersion

Wood coating with Microlith® K

- Easily incorporated into a variety of solvents with dissolvers or high-shear mixers without preliminary milling
- Suitable for wood stains, glazes and lacquers
- Combination with effect pigments offers endless styling opportunities

Microlith® K

Ideal for solvent-based coating systems

Product	Color Index	Chemical type	Pigment content [%]	Maximum concentration in the concentrate [%]
Microlith® White 0022 K	P.W. 6	Titanium dioxide	70	40
Microlith® Black 0066 K	P.B. 7	Carbon black	48	20
Microlith® Black 0067 K	P.B. 7	Carbon black	45	20
Microlith® Yellow 1040 K	P.Y. 93	Azo condensation	44	12
Microlith® Yellow 1061 K	P.Y. 151	Benzimidazolone	45	-
Microlith® Yellow 1550 K	P.Y. 83	Diarylide demethoxy chloranilide	51	8
Microlith® Yellow 2040 K	P.Y. 110	Isoindolinone	49	15
Microlith® Brown 3001 K	P.B. 23	Azo condensation	45	20
Microlith® Scarlet 3430 K	P.R. 166	Azo condensation	44	15
Microlith® Red 3630 K	P.R. 254	Diketo-pyrrolo-pyrrole	46	20
Microlith® Red 3890 K	P.R. 144	Azo condensation	38	12
Microlith® Magenta 4535 K	P.R. 202	Quinacridione	63	17
Microlith® Violet 5700 K	P.V. 37	Dioxacine	46	20
Microlith® Blue 6480 K	P.B. 60	Indanthrone	51	20
Microlith® Blue 7080 K	P.B. 15:3	Cu-phthalocyanine (β)	50	20
Microlith® Green 8750 K	P.G. 7	Cu-phthalocyanine halogenated	49	15

Guidelines for incorporation – compatibility with solvents and binders

The carrier resin is compatible with vinyl, acrylic and aromatic polyurethane media. Compatible solvents are e.g. ketone, ester and glycol ester.

Formulation guidelines for the preparation of a wood stain

Incorporation: Prepare a mixture of all solvents required. Then add the Microlith® K while mixing and mix 30 minutes with a dissolver at a peripheral impeller speed of 9m/sec.

Concentrate	
Ketone or ester solvent	87 - 55%
Vinyl chloride/vinyl acetate 85/15 copolymer	5%
Microlith® K	8 - 40%
(according to the max. recommended concentration)	100%

Reduction

Reduction to the desired final concentration by dilution with appropriate solvents (e.g. toluene, methoxy propanol, ethoxy propanol).

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