



COLORS &  
EFFECTS

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# Microlith® T

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

## Key features

- Organic pigments predispersed in a **modified rosin ester 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® T

- 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® T

Ideal for solvent-based coating systems

Product name	Colour Index	Chemical type	Pigment content [%]	Fastness to light		Resistance to overlacquering		
				Oak with NC [3%]*	Oak without NC [3%]*	Poly-urethane	Acid curing	Nitro-cellulose
Microlith® Black 0066 T	P.Bk.7	Carbon black	33	7	7	5	5	5
Microlith® Yellow 2040 T	P.Y.110	Isindolinone	33	7	7	5	5	5
Microlith® Brown 3001 T	P.BR.23	Azo condensation	30	7	7	5	5	5
Microlith® Red 3890 T	P.R.144	Azo condensation	33	6	6	5	5	5
Microlith® Blue 7080 T	P.B.15:3	Cu-phthalocyanine (β)	34	7	7	5	5	5
Microlith® Green 8750 T	P.G.7	Cu-phthalocyanine halogenated	33	7	7	5	5	5

\* Concentration of the pigment preparation in the applied stain

## Guidelines for incorporation

An important factor in the incorporation of Microlith® T pigment preparations into surface coatings is the solubility of the carrier resin in the various types of solvents normally used. Microlith® T pigment preparations have:

- very good dispersibility in aromatic hydrocarbons and chlorinated hydrocarbons
- good dispersibility in esters, ketones and glycol ethers
- limited dispersibility in aliphatic hydrocarbons and higher alcohols
- no dispersibility in water, methanol and ethanol

## Compatibility with solvents and binders

The carrier resin in Microlith® T pigment preparations has good compatibility with many binders and additives. It is not very reactive, is very pale in color and has good resistance to heat, oxidation and yellowing. The carrier resin has good compatibility with the following binders:

- nitrocellulose
- nitrocellulose combination lacquers
- alkyd resins
- styrenated alkyd resins
- alkyd melamine formaldehyde systems

## Formulation guidelines for the preparation of a wood stain

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

Concentrate	
Toluene	60%
Butyl acetate	20%
Microlith® T	20%
	100%

## Reduction

Reduction to the desired final concentration by dilution with appropriate solvents.

## Contact

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