



Digital Colour Card

MIXOL® Tinting-Concentrates

Percentages listed on this shade card are quantities of MIXOL® to be added **by weight**. The tint numbers in RED in this shade card = oxide types! Color variations in this color chart may be due to non-calibrated monitors or printers when viewed or printed.

	1	2	3	4	5	6	7	8	9	10	11
	Black	Umber	Oxide Brown	Oxide Red	Oxide Yellow	Maize Yellow	Canary Yellow	Green	Blue	Red	Violet
10 %											
4 %											
2 %											
1 %											
0,2 %											
	LW type	LW type	LW oxide type	LW oxide type	LW oxide type	L type	L type	LW type	LW type	L- type	LW type
	12	13	14	15	16	17	18	19	20	21	22
	Fir Green	Grass Green	Oxide Green	Olive Green	Lime Green	Mustard	Orange	Oxide Camel	Oxide Chestnut	Oxide Terrabrown	Oxide Tobacco
10 %											
4 %											
2 %											
1 %											
0,2 %											
	LW type	LW type	LW oxide type	LW type	LW type	LW type	L type	LW oxide type	LW oxide type	LW oxide type	LW oxide type
	23	24	25	26	27	28	29	30	31	32	99
	Oxide Dark Brown	Oxide Stone Grey	Oxide White	True Yellow	True Red	True Pink	Oxide Brilliant Black	Oxide Brilliant Yellow	Oxide Brilliant Green	Oxide Brilliant Blue	Ocean blue
10 %											
4 %											
2 %											
1 %											
0,2 %											
	LW oxide type	LW oxide type	LW oxide type	LW type	LW type	LW type	LW oxide type	LW oxide type	LW oxide type	LW oxide type	LW type

MIXOL®

MIXOL® multi-purpose tinting paste, an absolutely first-class product „Made in Germany“, that has proved itself for more than 50 years now, is highly concentrated and can be added to almost any type of paint and/or coating materials, in future it will be any painter's good constant companion. Although the matching of colours is very easy, sometimes users ask questions about the technical details of MIXOL®. To get optimal results please note the various points mentioned in this shade card.

1 MIXOL® is a binder-free multi-purpose tinting paste – **not a ready-made paint!** It cannot be used pure but can only be added or mixed into a ready paint.

2 MIXOL® forms no skin or lumps and will not dry out. It can be **stored for many years** and so it is extremely economical. Shake thoroughly before and close firmly after use!

3 MIXOL® is highly resistant to frost and heat, but temperatures below +5°C can cause thickening. After freezing it needs only to be thawed at room temperature. Then shake thoroughly and MIXOL® is ready for use again. **Please note, that temporary thickening under the influence of temperature doesn't affect the quality of MIXOL®.**

4 In case of tinting lacquers sometimes MIXOL® cannot be mixed easily by hand, therefore use a stirring apparatus, if possible, to get optimal results and to avoid a rub-out effect. It is also important to test results after stirring! Always test for compatibility by means of a "rub-test". Brush on some of the tinted paint and immediately rub hard with your finger. If it turns a darker shade, the material is either incompatible with MIXOL® or the concentrate has not been properly stirred in. Stir well again and repeat test. **Add MIXOL® first and only then add the thinner if required!**

5 Not all kinds of coating materials are tintable. Please first test that the materials are compatible and do not tend to separate out and note the information on the MIXOL®-labels. As a rule, the following materials can be tinted with MIXOL®: **Radiator paints, epoxy resin paints, fillers and primers, polyurethane paints, synthetic resin paints, hammer-tone finishes, latex emulsion finishes, nitro-cellulose lacquers, polymer emulsion paints, chlorinated rubber paints, acrylic and alkyd resin paints, cold-water paints, cement colourings, water-based paints, acrylic latex paints, concrete floor paints, synthetic latex paints, glue-bound distempers, plasters and renderings, scumbles, stains and wood waxes, spackling pastes, pre mixed fibrous and filler materials.**

MIXOL® tints which are no **LW-oxide types** are only suitable to a limited extent for colouring solvent based emulsions, Pliolite based or polymerization resin based exterior paints, elastic paints, polyesters, polyurethane single or two component lacquers, stoving/baking enamels and insulating paints based on cationic technology. (Attention: Please note the maximum additions of MIXOL® before tinting cationic insulating varnishes and/or sealers!).

Use only MIXOL® oxide types in varnishes low in or free from aromatic compounds, in paints containing silicate or silicone resin, in all mineral building materials and in insulating varnishes, sealers as well as in exterior paints containing solvents. (Red cap = Oxide type!) Please also notice our tips for users: „MIXOL® Oxide Tints: WHEN and WHY are they used?“.

6 All MIXOL® tints are **miscible one with another!**

7 Depending on the paint concerned, MIXOL® may be added up to a maximum of 10% **by weight**. But considering that it is highly concentrated, you can obtain best results by adding a minimum of MIXOL® (please see the percentage additions in the MIXOL® shade card). The maximum additions are: **10% to latex and/or emulsion paints, 5–8% to paints, lacquers, varnishes, high-solids, 6% to acrylic paints, 3–5% to transparent and/or clear lacquers, transparent paints, glazes, wood stains, waxes etc., 3% of LW-oxide-types to silicate and silicone paints and/or coatings and max. 1% of LW-oxide-types to cationic insulation varnishes and sealers. When using the "Oxide Brilliant" tints No. 29–32 approx. 5% can be added.**

Adding one 20-ml bottle of MIXOL® to a medium-quality white paint* will result in approximately the following percentage tint on the MIXOL® shade card:

Amount of white material to be coloured	Paints			Latex emulsions				
	375 ml	750 ml	2500 ml	1.25 l = ca. 2 kg	2.5 l = ca. 4 kg	5 l = ca. 8 kg	10 l = ca. 16 kg	12.5 l = ca. 20 kg
Approximate resulting shade	8%	4%	1%	1.6%	0.8%	0.4%	0.2%	0.16%

* NB: White paints containing different levels of titanium dioxide will tint differently using the same quantity of MIXOL®.

8 MIXOL® tints No. 6, 7, 10 and 18 are for indoor application only! When a yellow or red are required for external applications, use **True Yellow No. 26, True Red No. 27 and Oxide Brilliant Yellow No. 30** instead of the internal quality No. 7 Canary Yellow and No. 10 Red. For internal application (i. e. on new wood and other surfaces) we also offer a multi-purpose concentrate **Oxide White No. 25**, which should be added to colourless coatings and/or transparent paints, glazes etc. to create a pickling effect. Attention: Please read the MIXOL® leaflets as well as the instructions and technical information in this shade card and on the labels and be aware of the two different terms:

MIXOL® LW types and LW oxide types: Fast to light and weatherproof, for indoor and outdoor application.

MIXOL® L types: For indoor application only.

Do not swallow! Keep safely away from children!