



LUKAS BERLIN WS Oil · Colour Chart

0604 Zinc White ◆◆◆◆	0608 Titanium White ◆◆◆◆	0622 Flesh Colour ◆◆◆◆	0605 Buff Titanium ◆◆◆◆	0635 Naples Yellow Light ◆◆◆	0610 Primary Yellow ◆◆◆◆
0626 Cadmium Yellow light (hue) ◆◆◆◆	0625 Lemon Yellow ◆◆◆◆	0628 Cadmium Yellow (hue) ◆◆◆	0647 Cadmium Yellow Deep (hue) ◆◆◆	0629 Cadmium Orange (hue) ◆◆◆◆	0672 Cadmium Red light (hue) ◆◆◆
0686 Vermilion (hue) ◆◆◆	0674 Cadmium Red deep (hue) ◆◆◆	0666 Alizarin Crimson (hue) ◆◆◆◆	0650 Magenta Red (Primary) ◆◆◆◆	0692 Rose Madder ◆◆◆◆	0630 Mauve ◆◆◆◆
0627 Cobalt Violet (hue) ◆◆◆◆	0638 Sky Blue ◆◆◆◆	0620 Cyan Blue (Primary) ◆◆◆◆	0621 Cerulean Blue (hue) ◆◆◆◆	0623 Cobalt Blue (hue) ◆◆◆◆	0637 Ultramarine ◆◆◆◆
0645 Phthalo Blue ◆◆◆◆	0634 Prussian Blue ◆◆◆◆	0655 Turquoise ◆◆◆◆	0673 Cinnabar Green lightest (hue) ◆◆◆	0663 Permanent Green Light ◆◆◆◆	0654 Viridian hue. (Phthalo) ◆◆◆◆
0665 Sap Green ◆◆◆◆	0657 Olive Green ◆◆◆◆	0631 Yellow Ochre ◆◆◆◆	0639 Raw Sienna ◆◆◆◆	0609 Burnt Sienna ◆◆◆◆	0611 Burnt Umber ◆◆◆◆
0614 Raw Umber ◆◆◆◆	0612 Van Dyck Brown (hue) ◆◆◆◆	0684 Payne's Grey ◆◆◆◆	0682 Ivory Black ◆◆◆◆		

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LUKAS Berlin Water Mixable Oils Color Chart and Information Sheet

Berlin



Why a Water Mixable Oil Colour?

A number of artists have problems using traditional oil colours since they have allergic reactions to solvents (e. g. turpentine) or work in small areas, where proper ventilation is an issue. These artists have contacted us with their wish to develop a colour, **which has the proven characteristics of LUKAS Artists' Oil Colours without the need of using hazardous solvents.** We followed these requests with the development of LUKAS BERLIN.

How does this work?

LUKAS BERLIN is a real Oil Colour using binders of pure deslimed and bleached linseed and sunflower oils and the same high quality pigments, as they are used in the other LUKAS Artists Oil Colour ranges. However, a part of the oils used as binder were modified in such a way that they bind and do not repel water. Therefore, it is possible to mix LUKAS BERLIN with water. In the drying process the water evaporates first out of the paint film – like traditional oils – then the oxidative cross linking of oleaginous binders follows. In this way LUKAS BERLIN becomes water and turpentine oil insoluble

Characteristics

The formulation of LUKAS BERLIN, i.e. the selection of raw materials and the manufacturing process are in a way that **the colour behaves like genuine oil colour with the exception: the water miscibility!**

Proven Lightfastness: The pigments used are **exclusively chosen artist's quality pigments**, which have the highest colour strength, purity, and especially proven permanency. This pigment selection and the high pigment concentration, guarantees the best colour strength, brilliance and luminosity of LUKAS BERLIN.

Drying Time: The surface drying time for all shades is between **5 and 7 days**. The same slow oxidation process takes place during the drying time. Therefore, heavy impasto painting may require up to one year to be completely dry, depending on the thickness of the layers and the pigment. The colour brilliance is in the wet as well as in the dry state consistently.

Consistency: LUKAS BERLIN contains a small proportion of beeswax, like the other LUKAS Artists' Oil Colour ranges, which give the **buttery consistency** and the typical satin brilliance. Moreover, it contributes to a more resistant picture surface and facilitates easier varnishing and cleaning of the painting as confirmed by leading restorers.

Dilution Behaviour: LUKAS BERLIN has the same thinning characteristics as classic oil colours. By adding small amounts of water a considerable dilution appears. In contrary to classical oil colours LUKAS BERLIN must not be thinned with mediums including solvents (turpentine, citrus turpentine, other painting mediums), but **simply with water**. Clean up is easy with just soap and water.

Mixing Behaviour: **LUKAS BERLIN can be mixed without a problem with all classic oil colours**, but it loses the water miscibility benefit. You can also mix LUKAS BERLIN with Acrylics or Gouache colours. (Note: cracking may take place if not completely mixed; do not work impasto with Gouache colours). Mixing with airbrush colours (1:1 with water) can produce interesting results.

Which Mediums are available for LUKAS BERLIN?

LUKAS BERLIN Linseed Oil modified (art. no. 2250) is a drying retarder and makes the colour "more fat". Therefore it is suitable for the wet-on-wet technique. It can also be used to produce your own water mixable oil colours.



The same applies for **LUKAS BERLIN Stand Oil modified** (art. no. 2251). Furthermore it adds gloss to the colours.



LUKAS BERLIN Medium 3 modified (art. no. 2252), acts as an accelerator and makes the colours "lean". The emulsifying characteristics of this medium may lead to slight whitening during painting but will disappear completely during the drying process.

Beyond that, all other LUKAS oil painting mediums in small concentrations (up to 30%) are useable and will achieve the same result as with classic LUKAS Oil Colours, without losing the water miscibility. By adding larger amounts of mediums (over 30%), water miscibility will completely disappear. Mediums should be shaken before use, carefully mixed with the colour and if required, add water for thinning.

 Zinc White 0604 ☆☆☆ (7-8) / ■ PW5 37ml / 200ml	 Titanium White 0608 ☆☆☆ (7-8) / ■ PW6, PW5 37ml / 200ml	 Flesh Colour 0622 ☆☆☆ (7-8) / ■ PW6, PY42, PR101 37ml / 200ml
 Buff Titanium 0605 ☆☆☆ (7-8) / ■ PW6 37ml / 200ml	 Naples Yellow Light 0635 ☆☆ (6-7) / ■ PW6, PY75, PY83 37ml / 200ml	 Primary Yellow 0610 ☆☆☆ (7-8) / ■ PY3, PW6 37ml / 200ml
 Cadmium Yellow light (hue) 0626 ☆☆☆ (7-8) / □ PY73 37ml / 200ml	 Lemon Yellow 0625 ☆☆☆ (7-8) / ■ PY73, PY3 37ml / 200ml	 Cadmium Yellow (hue) 0628 ☆☆ (6-7) / ■ PY83, PO34 37ml / 200ml
 Cadmium Yellow Deep (hue) 0647 ☆☆ (6-7) / ■ PY83, PO34 37ml	 Cadmium Orange (hue) 0629 ☆☆☆ (7-8) / ■ PO34, PY74 37ml	 Cadmium Red light (hue) 0672 ☆☆ (6-7) / ■ PR9, PO34 37ml
 Vermilion (hue) 0686 ☆☆ (6-7) / ■ PO34, PR112 37ml / 200ml	 Cadmium Red deep (hue) 0674 ☆☆ (6-7) / ■ PY73, PR101, PR5 37ml / 200ml	 Alizarin Crimson (hue) 0666 ☆☆☆ (7-8) / ■ PR177 37ml / 200ml
 Magenta Red (Primary) 0650 ☆☆☆ (7-8) / ■ PV19, PW6 37ml / 200ml	 Rose Madder 0692 ☆☆☆ (7-8) / □ PV19 37ml / 200ml	 Mauve 0630 ☆☆☆ (7-8) / □ PV23 37ml / 200ml
 Cobalt Violet (hue) 0627 ☆☆☆ (7-8) / ■ PV19, PV23 37ml	 Sky Blue 0638 ☆☆☆ (7-8) / ■ PB29, PB15, PW6 37ml / 200ml	 Cyan Blue (Primary) 0620 ☆☆☆ (7-8) / ■ PB15, PW6 37ml / 200ml
 Cerulean Blue (hue) 0621 ☆☆☆ (7-8) / ■ PB15, PY184, PW6 37ml / 200ml	 Cobalt Blue (hue) 0623 ☆☆☆ (7-8) / ■ PG7, PB29, PW6 37ml / 200ml	 Ultramarine 0637 ☆☆☆ (7-8) / □ PB29 37ml / 200ml
 Phthalo Blue 0645 ☆☆☆ (7-8) / □ PB15 37ml	 Prussian Blue 0634 ☆☆☆ (7-8) / ■ PB15, PBk9 37ml / 200ml	 Turquoise 0655 ☆☆☆ (7-8) / ■ PB15, PG7 37ml

 Cinnabar Green lightest (hue) 0673 ☆☆ (6-7) / ■ PW5, PY1, PG7 37ml / 200ml	 Permanent Green Light 0663 ☆☆☆ (7-8) / ■ PY3, PG7, PY42 37ml	 Viridian hue. (Phthalo) 0654 ☆☆☆ (7-8) / □ PG7 37ml / 200ml
 Sap Green 0665 ☆☆☆ (7-8) / □ PG7, PR101 Trans, PY73 37ml / 200ml	 Olive Green 0657 ☆☆☆ (7-8) / □ PY73, PR177, PG7 37ml / 200ml	 Yellow Ochre 0631 ☆☆☆ (7-8) / ■ PY42 37ml / 200ml
 Raw Sienna 0639 ☆☆☆ (7-8) / ■ PR101 Trans, PY42, PBk9 37ml / 200ml	 Burnt Sienna 0609 ☆☆☆ (7-8) / ■ PR101 Trans, PR101 37ml / 200ml	 Burnt Umber 0611 ☆☆☆ (7-8) / ■ PR101 Trans, PR101, PBk9 37ml / 200ml
 Raw Umber 0614 ☆☆☆ (7-8) / ■ PB7 37ml / 200ml	 Van Dyck Brown (hue) 0612 ☆☆ (6-7) / ■ PBk9, PB7, PR170 37ml	 Payne's Grey 0684 ☆☆☆ (7-8) / ■ PB29, PBk7 37ml / 200ml
 Ivory Black 0682 ☆☆☆ (7-8) / ■ PBk9 37ml / 200ml		

Signs and Symbols:

Colour, Art. No., Lightfastness, Opacity, Pigment Name, Filling Size

Lightfastness: ☆☆☆ = excellent up to outstanding lightfast (7-8 on the blue wool scale)
☆☆ = very good to excellent lightfast (6-7 on the blue wool scale)

Opacity: □ = transparent ■ = semi-transparent
 ■ = semi-opaque ■ = opaque

Pigment Name: The two preceding letters determine the type of colourant used (P=Pigment) and the dye (e.g. W=White), followed by the digits of the pigment type.

This colour chart is produced within the limitations of printing and is intended as a guide only.



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 **LUKAS**

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