



Water mixable Artists' Oil Colour

A new Era of Oil Painting

Introduction:

Since 1862, Dr. Fr. Schoenfeld and LUKAS have been a sign of top quality artists' colours. Even Vincent van Gogh, as can be proved, has used the products of our house – the well known master ordered the popular colour extra from Düsseldorf.



Up to the current day numerous artists all over the world trust the over 140-year-old tradition of our house.



„Berlin is a symbol that combines the two systems of complete opposites. In similar fashion LUKAS Berlin combines the two opposites of oil and water into one.“

Why a Water Mixable Oil Colour:

A number of Artists have problems to use traditional oil colours since they react allergic to solvents or work in small areas, in which they feel the solvents as smelling nuisance.

These artists have contacted us with the request to develop a colour, which has the proven characteristics of Lukas Artists Oil Colours. We followed this demand with the development of „⊕ LUKAS Berlin“.

⊕ LUKAS Berlin is a real high quality Oil Colour with pure, deslimed and bleached linseed and sunflower oils as binder and the same high quality pigments, as they are used in the other LUKAS Artists Oil Colour assortments. However a part of the binder oils was modified in such a way that they bind and do not repel water. Therefore it is possible to handle ⊕ LUKAS Berlin just like conventional oil colour, but it can be thinned with water rather than hazardous solvents. The water evaporates out of the paint film fairly rapidly leaving behind a conventional oil colour film that dries by oxidation, water-insoluble and healthy as normal.

Brushes: Brushes are important tools for the artist. They influence the artist's technique. A good quality brush is of great importance. A bristle brush should be used when painting with a thick colour application. This results in clearly visible brush strokes. For beginners we recommend LUKAS STUDIO bristle brush (art.-no. 5483) in the sizes 4, 8 and 12. Where colour and glazes are applied more thinly a thicker haired brush is necessary. We recommend the flat LUKAS Red-Taklon brush (art.-no. 5441) in the sizes 4, 8 and 12.







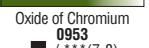


Painting Surfaces: For oil painting and LUKAS Berlin, the surface must be prepared in such a way as to prevent the oil from penetrating to the paint surface. To make things simple and to ensure the surface is properly prepared we recommend to use prepared LUKAS painting surfaces and stretched canvases, LUKAS cotton painting boards, LUKAS oil painting paper or LUKAS stretched canvas.

Accessories: We recommend a palette and palette dipper for mixing of colours or adding of painting mediums. Palettes are mostly made of wood or metal. Very practical are the LUKAS sheet palettes made of paper.

Varnish: Varnishes are protection for the painting from dirt, dust and nicotine deposits and other negative environmental influences. The colours must be absolutely dry before varnishing. Depending on the thickness of the paint and used medium, drying varies from 1 week to half a year. For beginners, we recommend LUKAS Aerosol Spray Film either gloss, silk brilliant or matt depending on the desired finish.

Easels: Oil paintings are usually painted upright. Therefore an easel is needed as a support. For the beginner we recommend mobile LUKAS Sketching Easel (art.-no. 5590 C) or the robust LUKAS Academy Easel (art.-no. 5591 C).

The Colour Range: The colour range includes a balanced spectrum of 24 colour shades, available in 37 ml tubes and also in larger tubes of 200 ml. The balanced spectrum of colours insures strong colour tone, mixability, as well as cover strength, complemented by the three primary colours.

 Titanium White 0808 ■ / *** (7-8) PW6	 Primary Yellow 0810 ■ / *** (7-8) PY3	 Flesh Colour 0822 ■ / *** (7-8) PW5/PY35/PO20	 Cadmium Yellow light (hue) 0826 ■ / ** (6-7) PY1/PW4
 Cadmium Orange (hue) 0829 ■ / *** (7-8) PR188,PO62,PW4	 Yellow Ochre 0831 ■ / *** (7-8) PY42	 Primary Red 0850 ■ / *** (7-8) PR122, PV19	 Madder Lake deep (hue) 0866 □ / ** (6-7) PR176,PR101,PBk11
 Cadmium Red light (hue) 0872 ■ / *** (7-8) PO62, PR188	 Cadmium Red deep (hue) 0874 ■ / *** (7-8) PR112, PR188	 Burnt Sienna 0909 □ / *** (7-8) PBr7	 Burnt Umber 0911 ■ / *** (7-8) PY42,PR101,PBk11
 Primary Blue 0920 ■ / *** (7-8) PB 15:3	 Cerulean Blue (hue) 0921 ■ / *** (7-8) PB16,PW4	 Cobalt Blue light (hue) 0923 □ / *** (7-8) PB29, PG7	 Cobalt Violet deep (hue) 0927 □ / *** (7-8) PV23,PR188
 Ultramarine deep 0937 □ / *** (7-8) PB29	 Sky Blue 0938 ■ / *** (7-8) PB29,PB15:1,PW4	 Oxide of Chromium 0953 ■ / *** (7-8) PG17	 Viridian (hue) 0954 □ / *** (7-8) PG7, PY97
 Permanent Green light 0963 □ / *** (7-8) PG7,PY97,PW4	 Cinnabar Green lightest 0972 ■ / ** (6-7) PG7,PY1,PW5	 Ivory Black 0982 ■ / *** (7-8) PBk7	 Warm Grey 0990 ■ / *** (7-8) PBk7, PY42

Symbols:

- Pigment Name: The two letters in front of the digits determine the type of colourant used (pigment, dye etc.) and the following digits the type of pigment.
- Light Fastness: ☆☆☆ = very high light fastness (7-8 on the blue wool scale)
☆☆ = high light fastness (6-7 on the blue wool scale)
- Covering Power: □ = transparent □ = semi-transparent
■ = semi-opaque ■ = opaque



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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 normal oil colour with the exception: the water miscibility!

Adhesion and drying time have been shown to be comparable to conventional oil colour. Laboratory researches have also shown that the dried Lukas Berlin film is similar to a conventional oil film in solvent resistance and other measures of stability.

A good level of Light Fastness: The pigments used are **exclusively chosen Artist quality pigments** that have the highest colour strength, purity, and especially proven permanency. All colours are at least light fast ** and most are highly light fast ***. This pigment selection and the high pigment concentration, guarantees the best colour strength, brilliance and luminosity of 🌀 LUKAS Berlin.

A Buttery Consistency: 🌀 LUKAS Berlin has a buttery consistency just like the classic LUKAS Artists' Oil Colours. 🌀 LUKAS Berlin also contains Beeswax like LUKAS classic Artists' Oil Colours, which give the buttery consistency and the typical satin brilliance. It contributes to a more resistant picture surface and facilitates easier varnishing and cleaning of the painting as confirmed by leading Restorers.

A typical Drying Time: The drying time is the same as the one of the classic LUKAS Artists' Oil colours. All colours need a drying time between 2 to 4 days for a thickness of a double brush stroke. 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.

Dilution Behaviour: 🌀 LUKAS Berlin has the same thinning characteristics as classic oil colours. By adding small amounts of water a considerable dilution appears. 🌀 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 with all classic Oil colours, but it loses visibly the water miscibility. Also mixing with Acrylics or Gouache colours is possible. (Note: cracking may take place if incomplete mixed. Do not work impasto with Gouache colours). Mixing with airbrush colours (1:1 with water). Those mixtures produce interesting results.

Mediums

🌀 LUKAS Berlin linseed oil modified (art. no. 2250) is a drying retarder and makes the colour "more fat". 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). In addition it adds gloss to the colours.

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

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.

Equipment

The basic supply list for oil painting and therefore also for 🌀 LUKAS Berlin are the colours, mediums, brushes, painting surface and an easel:

Colours: For the first selection, we recommend the 🌀 LUKAS Berlin paint box Art. No. 6058. It contains 10 colours 37ml of 🌀 LUKAS Berlin, 50ml Medium 3 modified, a palette and 3 bristle brushes.