

**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 using the prepared LUKAS painting surfaces such as 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.

**Protection for oil paintings:**

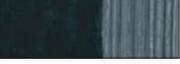
When finished, all the oil paintings should be protected from dirt, dust, nicotine deposits and other negative environmental influences with a varnish. Prior to varnishing, the painting must be allowed to dry completely - and this can easily take some months if the colour layers are thicker. Therefore: do not rush! We recommend LUKAS aerosol varnish sprays. They are available in three sorts: gloss (Art. No. 2321), matt (Art. No. 2322) or silk brilliant (Art. No. 2324).



**Easels:** Oil paintings are usually painted upright. Therefore an easel is needed as a support. For the beginner we recommend mobile LUKAS Field Easel (Art. No. 5590 C000) or the stable LUKAS Academy Easel (Art. No. 5591 C000).



**The Colour Range:** The colour range includes a balanced spectrum of 30 colour shades, available in 37 ml tubes and also in larger tubes of 200 ml. The balanced spectrum of colours ensures strong colour tone, mixability, as well as cover strength, complemented by the three primary colours.

 Titanium White 0808 ■ / ☆☆☆ (7-8) PW6	 Flesh Colour 0822 ■ / ☆☆☆ (7-8) PW5, PY35, PO20	 Lemon Yellow (Primary) 0810 ■ / ☆☆☆ (7-8) PY3	 Permanent Green light 0963 □ / ☆☆☆ (7-8) PG7, PY97	 Viridian (hue) 0954 □ / ☆☆☆ (7-8) PG7, PY97	 Oxide of Chromium 0953 ■ / ☆☆☆ (7-8) PG17
 Cadmium Yellow light (hue) 0826 ■ / ☆☆☆ (6-7) PY1	 Naples Yellow 0834 ■ / ☆☆☆ (7-8) PW5, PY3, PY42, PR101	 Indian Yellow 0824 □ / ☆☆☆ (6-7) PY83, PO36	 Sap Green 0965 ■ / ☆☆☆ (6-7) PY42, PY83, PG7	 Yellow Ochre 0831 ■ / ☆☆☆ (7-8) PY42	 Burnt Sienna 0909 ■ / ☆☆☆ (7-8) PB7
 Cadmium Orange (hue) 0829 ■ / ☆☆☆ (7-8) PO62, PO34	 Cadmium Red light (hue) 0872 ■ / ☆☆☆ (7-8) PO62, PR188	 Cadmium Red deep (hue) 0874 ■ / ☆☆☆ (7-8) PR112, PR188	 Cassel Earth 0901 □ / ☆☆☆ (6-7) PY74, PR176, PBk7	 Burnt Umber 0911 ■ / ☆☆☆ (7-8) PY42, PR101, PBk11	 Ivory Black 0982 ■ / ☆☆☆ (7-8) PBk7
 Carmine 0861 □ / ☆☆☆ (6-7) PR170	 Magenta Red (Primary) 0850 ■ / ☆☆☆ (7-8) PR122, PV19	 Alizarin Crimson 0866 □ / ☆☆☆ (6-7) PR176, PR101, PBk11	<b>Signs and Symbols:</b> Colour, Art. No., Opacity, Lightfastness, Pigment Name		
 Cobalt Violet deep (hue) 0927 □ / ☆☆☆ (7-8) PV23, PR188	 Sky Blue 0938 ■ / ☆☆☆ (7-8) PB6, PB15:1, PB29	 Cyan Blue (Primary) 0920 ■ / ☆☆☆ (7-8) PW6, PB15:3	Opacity: □ = transparent    □ = semi-transparent ■ = semi-opaque    ■ = opaque		
 Cerulean Blue (hue) 0921 ■ / ☆☆☆ (7-8) PW6, PB16	 Cobalt Blue light (hue) 0923 □ / ☆☆☆ (7-8) PB29, PG7	 Ultramarine deep 0937 □ / ☆☆☆ (7-8) PB29	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)		
 Phthalo Blue 0945 □ / ☆☆☆ (7-8) PB15:3	 Prussian Blue (hue) 0934 ■ / ☆☆☆ (7-8) PB15:1; PBk7	 Cinnabar Green lightest 0972 ■ / ☆☆☆ (6-7) PW5, PY1, PG7	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.

**LUKAS** a brand of  
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Your retailer



**LUKAS** Berlin

Water Mixable Artists' Oil Colour  
A new Era of Oil Painting

## Introduction

Since 1862, Dr. Fr. Schoenfeld and LUKAS has been a sign of top quality artists' colours. Even Vincent van Gogh, as history has proven, used the products of our house LUKAS – the well-known Master ordered the popular colour specifically from Düsseldorf. Currently, numerous artists from all over the world trust the 150-year-old tradition of our brand.



We are proud, that we have developed with our range of water mixable oil colours, LUKAS BERLIN, a new and additional possibility for the artist, which is still following these traditions.



„Berlin is a symbol of overcoming boundaries and the combination of two systems, which always were totally contrary. In similar fashion LUKAS overcomes the border between oil and water in a perfect way.“

## Why a Water Mixable Oil Colour?

A number of Artists have problems using traditional oil colours since they have allergic reactions to solvents or work in small areas, where proper ventilation is an issue. These artists have contacted us with their wishes for us to develop a colour, which have 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.

**LUKAS BERLIN is a high quality 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 Co-

lour assortments. However, a part of the binder oils were 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.

## 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 drying time is the same as the one of the classic LUKAS Artists' Oil Colours. All colours need a drying time between **2 and 4 days** for a thickness of 80µm (like 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.

**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). In addition 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.

## What belongs to Basic Equipment to start work with LUKAS BERLIN?

The basic supply list for any oil painting: colours, mediums, brushes, painting surface and an easel.



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

**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 normal thick colour application. This results in clearly visible brush strokes.



For beginners we recommend LUKAS STUDIO bristle brush (Art. No. 5483). 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) available in several sizes.