



RAL CLASSIC

RAL DESIGN SYSTEM *plus*

RAL EFFECT

RAL DIGITAL

RAL INDIVIDUAL

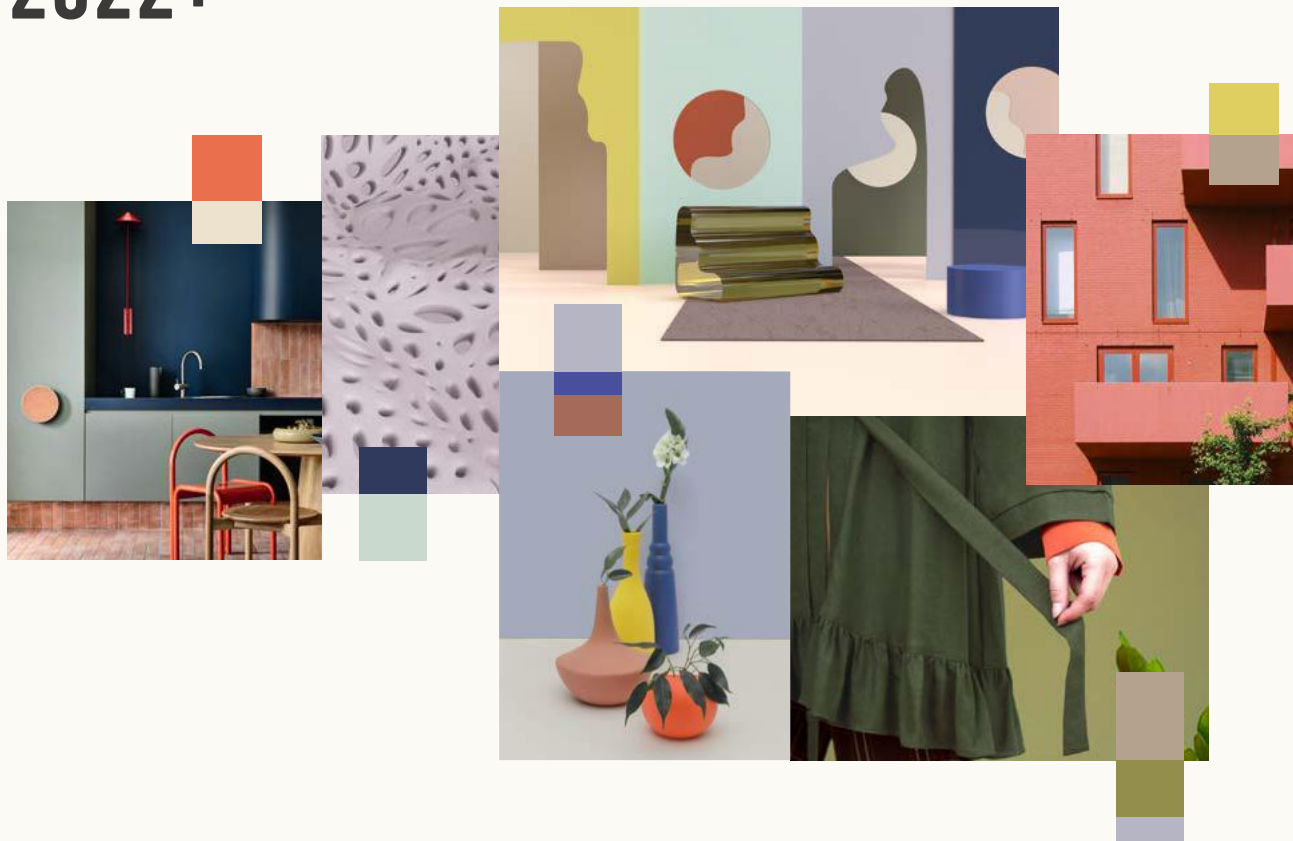
RAL ACADEMY

# PRODUCT OVERVIEW

RAL COLOURS – THE WORLD'S OLDEST COLOUR STANDARD  
MADE IN GERMANY

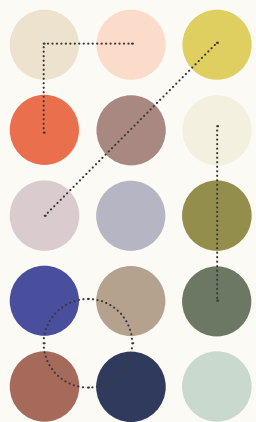
[ral-colours.com](http://ral-colours.com)

# COLOUR FEELING 2022+



## RELATE+ SUPPORT

ADAPTIVE  
CONNECTING  
CONSCIOUS  
HOLISTIC  
ACTIVATING

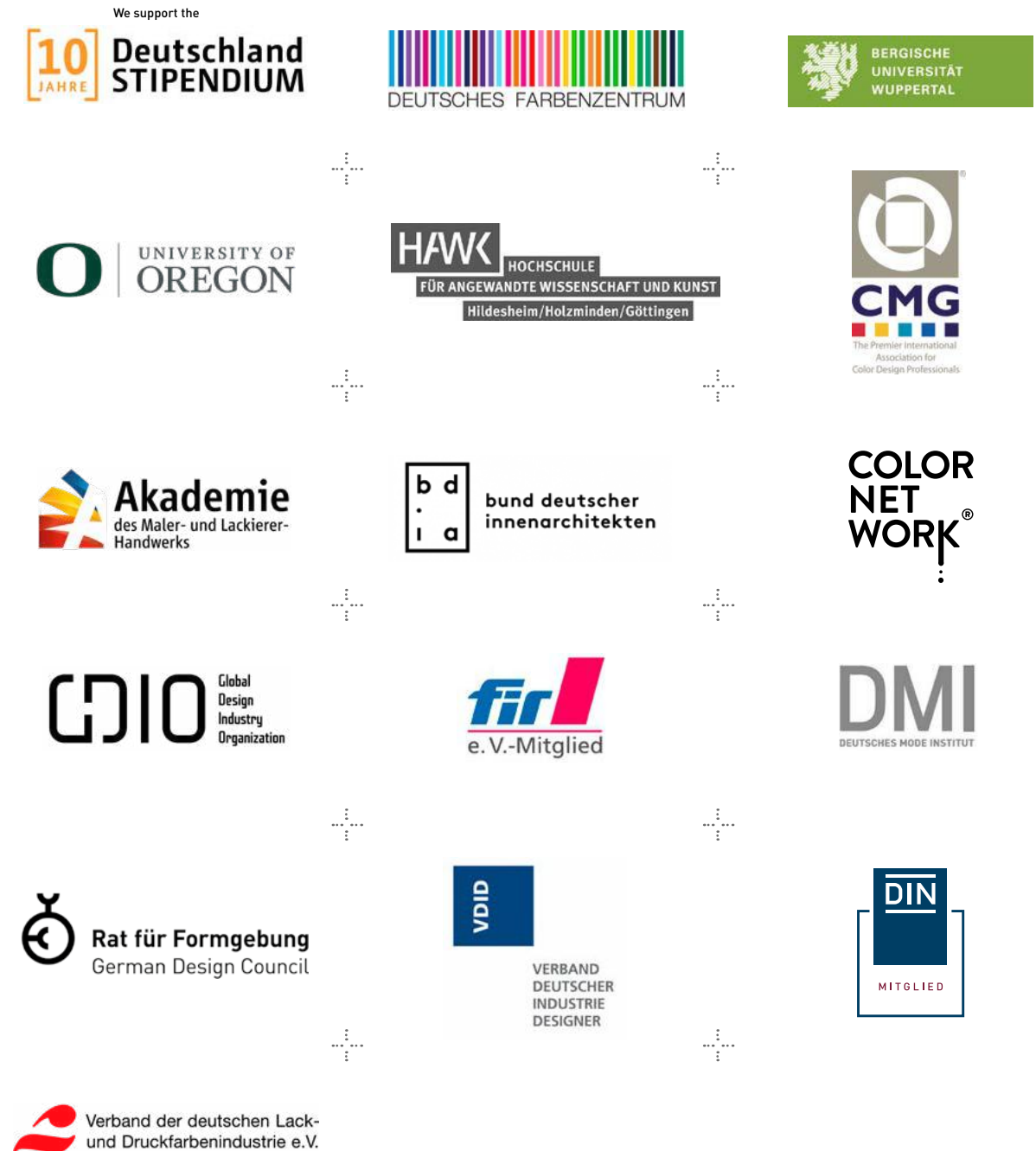


## RELATE + SUPPORT

combines colour, emotion and function.

**RELATE + SUPPORT** provides a lively and versatile colour range, reflecting the requirements of our time. The trend report is a tool which both promotes and supports functional and sensuous design. The need for easily accessible and flexible solutions has emerged from fundamental social developments and experiences during the pandemic. In this sense, colour is not a superficial decision but one based on context.

## MEMBERSHIPS & COOPERATIONS



## AWARDS





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# RAL CLASSIC

FOR ALMOST 100 YEARS – A GLOBAL STANDARD FOR  
MODERN COLOUR SCHEMES IN ARCHITECTURE, DESIGN,  
INDUSTRY AND SKILLED TRADES



The initial 40 colours in the **RAL CLASSIC** colour collection have increased over the decades to the current 216 shades and it is continually being adapted to the changing requirements of public institutions and private industry. The **RAL CLASSIC** collection includes shades which are used by public institutions and almost every sector of private

industry or serve a higher public interest. In addition to the original application in the field of standardisation of industrial processes as well as its use in the public sector, designers from a wide range of disciplines in more than 150 countries and on every continent now rely on the variety of the colour collection.



## RAL K7 COLOUR FAN

With its 215 colour shades, the fan offers you quick orientation and good decision support in professional colour design.



- ▶ Colour fan size 5.0 x 15.0 cm
- ▶ Colour illustration 2.0 x 5.0 cm
- ▶ Five colours per page
- ▶ Gloss level of colours: gloss
- ▶ Every shade with colour code and colour names in German
- ▶ Additional pages with colour names in EN, FR, ES, IT, NL
- ▶ In high quality protective packaging



# RAL K4 RING BINDER

The RAL K4 Ring binder gives confidence when specifying colour schemes. It greatly simplifies colour selection by presenting each colour as a large format, full surface sample. Furthermore, the Ring binder acts as a valuable aid to colour code planning and the creation of collages.

- Contains all 216 RAL CLASSIC colours
- A4-sized (21.0 x 29.7 cm)
- Gloss level of single sheets: semi-matt
- Printed on the rear with colour code and colour name



# RAL K4 SINGLE SHEET

All RAL CLASSIC colours are also available as a single sheet.

- A4-sized (21.0 x 29.7 cm)
- Gloss level of single sheets: semi-matt
- Printed on the rear with colour code and colour name



# RAL K5 COLOUR FAN SEMI-MATT

The high-quality colour fan RAL K5 semi-matt contains all 216 RAL CLASSIC colours.

- U-shaped protective cover
- Full page colour illustration 5.0 x 15.0 cm
- Gloss level of colour pages: semi-matt
- In high quality protective packaging
- Well-suited for colour combination and colour comparison



# RAL K5 COLOUR FAN GLOSS

The high-quality colour fan RAL K5 gloss contains all 215 RAL CLASSIC colours.

- U-shaped protective cover
- Full page colour illustration 5.0 x 15.0 cm
- Gloss level of colour pages: gloss
- In high quality protective packaging
- Well-suited for colour combination and colour comparison



## RAL K1 COLOUR BOOKLET

The booklet RAL K1 contains 213 RAL CLASSIC colours and is especially user friendly. With 14 colours per side and a sheet that is divided in the middle, the RAL K1 allows for high flexibility and many colour combinations.

- Booklet size 10.5 x 20.0 cm
- Colour illustration 1.5 x 5.2 cm
- 14 colours per double page
- Gloss level of colours: gloss
- Every shade with colour code and colour names in DE, EN, FR



## RAL F9 COLOUR PRIMARY STANDARD CARD

RAL F9 – the collection of camouflage colours used by Germany's Armed Forces.

- Colour primary standard card format A5-sized (14.8 x 21.0 cm)
- Colour illustration A6-sized (10.5 x 14.8 cm)
- Binding colour samples for colour matching and quality control
- Contains gloss information for 60° und 85° angles as well as colorimetric measures
- Colour primary standard cards are also available individually



## RAL P1 PLASTIC COLOUR SAMPLE SET

With RAL P1 100 colours from the RAL CLASSIC collection were translated into a dedicated RAL plastics standard.

- 100 RAL CLASSIC colours
- Plastics colour sample format: 10.5 x 14.8 x 0.3 cm
- Material: polypropylene
- Three sample thicknesses show the colour fully opaque and in various opacity levels: 0.3 cm, 0.2 cm and 0.1 cm
- Three different surfaces allow you to interpret the colour in relation to roughness: high gloss polished, VDI 24, VDI 42
- Includes reflectance curve, absolute values and the divergence from the RAL original sample
- Protective sleeve for every colour sample
- Incl. protection case



## RAL P1 PLASTIC COLOUR SAMPLE

RAL P1 Plastic colour sample are also available individually.



# RAL 840-HR COLOUR PRIMARY STANDARD SET

The primary standards RAL 840-HR contains all 216 RAL CLASSIC colours in semi-matt. The cards are binding colour samples for colour matching and quality control. They contain XYZ-values, the specification about the colour distance from the original standard and the reflectance curve.

- Gloss level of cards: semi-matt
- A5-sized (14.8 x 21.0 cm)
- Colour illustration A6-sized (10.5 x 14.8 cm)
- Binding colour samples for colour matching and quality control
- Including XYZ-values, colour distance from the original standard and reflectance curve
- Incl. protection case



# RAL 840-HR COLOUR PRIMARY STANDARD CARD

RAL 840-HR Colour primary standard cards are also available individually.



# RAL 841-GL COLOUR PRIMARY STANDARD

The primary standards RAL 841-GL includes 216 RAL CLASSIC colour shades in gloss. The cards are binding colour samples for colour matching and quality control and contain XYZ-values, the specification about the colour distance from the original standard and the reflectance curve.

- Gloss level of colours: gloss
- A5-sized (14.8 x 21.0 cm)
- Colour illustration A6-sized (10.5 x 14.8 cm)
- Binding colour samples for colour matching and quality control
- Including XYZ-values, colour distance from the original standard and reflectance curve
- Incl. protection case



# RAL 841-GL COLOUR PRIMARY STANDARD CARD

RAL 841-GL Colour primary standard cards are also available individually.





# RAL DESIGN SYSTEM *plus*

THE PLUS IN DESIGN FREEDOM  
WITH 1,825 COLOURS



RAL DESIGN SYSTEM *plus* is the modern, systematic colour system for all creative minds, who use colour in their finely graduated, comprehensive designs. Developed as the perfect tool for requirements in architecture, design, industry and skilled trades, RAL provides the optimal shade quickly and simply for every work situation. The worldwide use of RAL DESIGN SYSTEM *plus* is supported by a clear,

simple understanding of colour using inspiring colour names which are available in German, English, French, Russian and Chinese. With this combination of a systematic colour spectrum of 1,825 shades, combined with emotional colour designations, RAL has developed the plus point in design freedom.

## RAL D2 COLOUR FAN

The handy and compact RAL D2 Colour fan is the first choice for a quick overview of the RAL DESIGN SYSTEM *plus*. The 1,825 colour tones are arranged on 225 pages in colour circle order and are organised systematically into 40 separate colour palettes.



- ▣ 225 colour pages with a total of 1,825 shades
- ▣ Fan deck size 29.0 x 5.0 cm
- ▣ Colour field size 2.5 x 5.0 cm
- ▣ Every shade with HLC-code and colour names in German
- ▣ Additional fan deck with colour names in EN, FR, RU & CN
- ▣ Gloss level of colours: semi-matt
- ▣ Protective box covered with high quality, embossed glossy film



## RAL D3 COLOUR TOOLBOOK

The RAL D3 Colour toolbook with all 1,825 RAL DESIGN SYSTEM *plus* colours is the indispensable colour tool for all design disciplines and all colour design professionals and all who work professionally with colour.

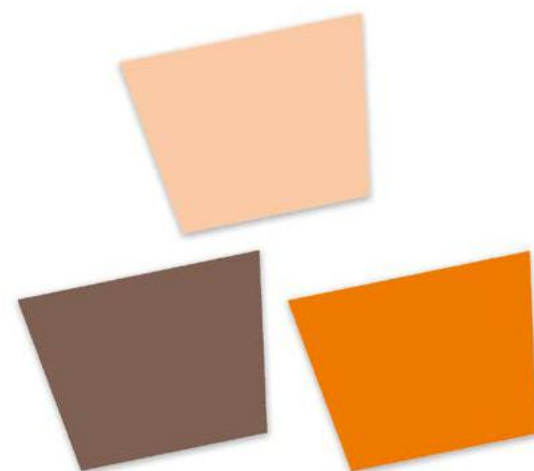
- Slipcase with two ring binders
- Format slipcase 46.5 x 39.5 cm
- Format ring binder 38.2 x 45.0 cm
- Single colour chips in 4.0 x 3.5 cm format
- 3 removable single colour chips per colour shade
- Gloss level of single colour chips: semi-matt
- With register to find specific colour shades quickly
- Ring binder and slipcase covered with high quality, embossed glossy film
- Colour chips printed on the rear with colour code and colour name in DE/EN



## RAL D3 SINGLE COLOUR CHIPS

RAL D3 Single colour chips are available in all 1,825 colours of the new RAL DESIGN SYSTEM *plus*.

- 3 Single colour chips of one shade in 4.0 x 3.5 cm format
- Colour chips printed on the rear with colour code and colour name in DE/EN
- Gloss level of single colour chips: semi-matt



## RAL D4 SINGLE SHEET SET

This set of all the 1,825 RAL DESIGN SYSTEM *plus* single sheets in the large DIN A4 format covers every option for extremely precise and finely adjusted colour design. The RAL D4 Single sheet set gives designers from the world of architecture, design and industry a product with an endless selection of shades and maximum flexibility for modern, creative designs.

- 1,825 A4-sized single colour sheets in 8 ring binders
- Format slipcase: 37.7 x 32.6 cm
- Format ring binder: 36.4 x 31.5 cm
- Format colour sheet: DIN A4 (21.0 x 29.7 cm)
- Gloss level of colour sheets: semi-matt
- Ring binder and slipcase covered with high quality, embossed glossy film



## RAL D4 SINGLE SHEET A4

The single sheets serve as an outstanding complement to your work with the RAL D2 colour fan or the RAL D3 Colour toolbook. These products are an unbeatable combination when designing collections or mood boards.

- Format DIN A4 (21.0 x 29.7 cm)
- Gloss level of colour sheets: semi-matt
- Also available as complete set of 8 ring binders
- Colour-metric measurement on request
- Colour code and colour name printed on the back



## RAL D4 COLOUR ATLAS

The RAL D4 provides a fast and easily accessible overview of the RAL DESIGN SYSTEM *plus*. For rapid and efficient shade definition and finely graduated colour concepts.

- Slipcase with 1 ring binder
- Format slipcase 37.7 x 32.6 cm
- Format ring binder 36.4 x 31.5 cm
- 1,825 colour chips in 1.7 x 1.7 cm format
- Gloss level of colours: semi-matt
- With register to find specific colour shades quickly
- Ring binder and slipcase covered with high quality, embossed glossy film



## RAL D6 DESIGN BOX

The 1,825 single sheets provide confidence when making decisions on colour, support creativity, form the reasoning behind colour designs and inspire the professional design process in refined nuances.

- Box with 1,825 RAL DESIGN SYSTEM *plus* single sheets
- Box format 30 x 21 x 33 cm
- Single Sheet Format DIN A4 (21,0 x 29,7) cm
- Gloss level of single sheets: semi-matt
- Clearly arranged according to the CIE Lab colour circle
- Perfect for colour collage development and product design
- All colour sheets are also available individually
- Incl. protection case



## RAL D6 SINGLE SHEET A6

All 1,825 RAL DESIGN SYSTEM *plus* colours are available in a practical DIN A6 format. The high-quality single sheets are handy and therefore perfect for the creation of collections.

- Format single sheet DIN A6 (10.5 x 14.8 cm)
- Gloss level of sheet: semi-matt
- All 1,825 colours are also available as RAL D6 Design box



## RAL D8 DESIGN BOX

The finely graded nuances of the RAL DESIGN SYSTEM *plus* are divided into 8 practical and handy colour fans whose respective focus is on a limited colour space.

- Box format 28.0 x 11.5 x 6.5 cm
- Fan deck size 3.2 x 10 cm
- 1,825 full-surface colour pages
- 5 shades per colour fan deck
- Gloss level of colours: semi-matt
- Clearly arranged system
- CIE Lab colour circle on the inside cover
- Box covered with high quality, embossed glossy film





# RAL P2 PLASTIC COLOUR SAMPLE SET

200 selected RAL DESIGN SYSTEM *plus* polypropylene-made colour samples offer designers from architecture and product design new possibilities beyond the classic paint coats.

- Binding colour sample for plastics in RAL DESIGN SYSTEM *plus* colours
- 160 opaque and 40 transparent plates
- Three different surface textures: high gloss polished, VDI 24, VDI 42
- Format 10,5 x 14,8 x 0,3 cm
- Three levels of thickness: 0.3 cm, 0.2 cm and 0.1 cm
- Includes reflectance curve, absolute values and colour distance from original plastic sample
- Protective sleeve for each plastic colour sample
- Incl. protection case



# RAL P2 PLASTIC COLOUR SAMPLE

The RAL P2 Plastic colour samples are also available individually.



# RAL P1 + P2 PLASTIC COLOUR SAMPLE SET

300 plastic colours, compare and combine: The complete set in three cases gives access to the complete colour selection of the RAL Plastic colour samples.



- The 100 most important RAL CLASSIC colours and the 200 most popular RAL DESIGN SYSTEM *plus* colour shades in one set
- Binding colour sample for plastics in RAL CLASSIC
- Binding colour sample for plastics in RAL DESIGN SYSTEM *plus*
- Three different surface textures: high gloss polished, VDI 24, VDI 42
- Format 10,5 x 14,8 x 0,3 cm
- Three levels of thickness: 0.3 cm, 0.2 cm and 0.1 cm
- Includes reflectance curve, absolute values and colour distance from original plastic sample
- Protective sleeve for each plastic colour sample
- Incl. protection cases

## RAL STARTER-KIT DESIGN BOX

The 150-component RAL Starter-Kit in DIN A6 format leads into the world of the RAL DESIGN SYSTEM *plus*, which contains a total of 1,825 shades. The specific selection of 10 shade levels and one grey scale is supplemented with frequently used wood tones.

The RAL Starter-Kit can be supplemented at any time individually with additional DIN A6 colour sheets from the RAL DESIGN SYSTEM *plus*, the RAL CLASSIC and RAL EFFECT colour collections.

- ▶ Box format DIN A6 (11.2 x 15.4 cm)
- ▶ Colour sheets A6-sized (10.5 x 14.8 cm)
- ▶ 143 colour sheets RAL DESIGN SYSTEM *plus*
- ▶ 7 colour sheets RAL CLASSIC
- ▶ Gloss level of colour sheets: semi-matt
- ▶ Box covered with high quality, embossed glossy film

The following products complete the RAL Starter-Kit design box:

- RAL D6 Single sheet A6
- RAL K6 Single sheet K6
- RAL E6 Single sheet uni
- RAL E6 Single sheet metallic



Students will be granted a discount on presentation of current student ID.

## RAL SUPPLEMENTARY SET

213 new colours from the RAL DESIGN SYSTEM *plus* for the creation of mood boards or as help in customer meetings.

The RAL Supplementary set is the perfect add-on for D6 boxes issued until 2017, which contained 1,625 colours.

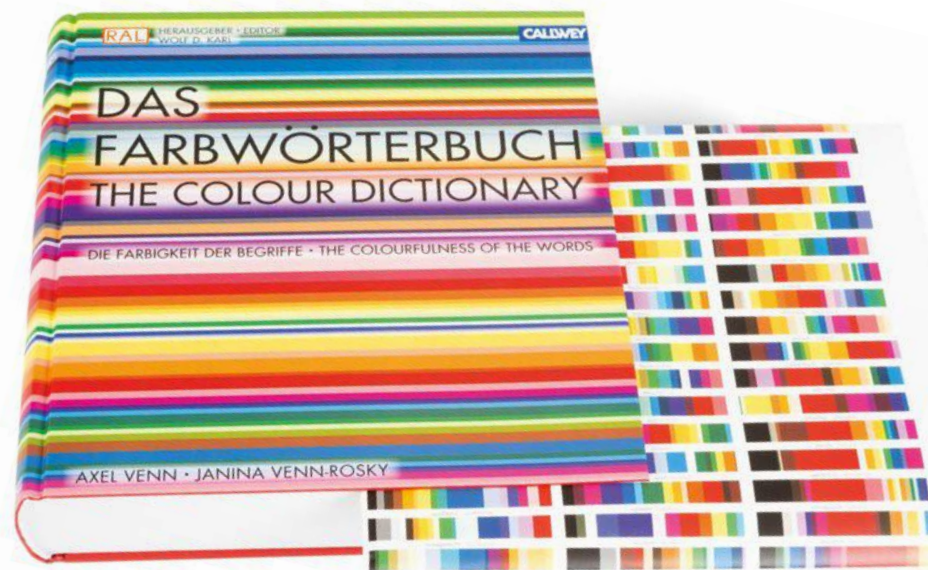
- ▶ Box format (11.2 x 15.4 cm)
- ▶ 213 Single sheets RAL DESIGN SYSTEM *plus*
- ▶ Single sheets DIN A6-sized (10.5 x 14.8 cm)
- ▶ Gloss level of single sheets: semi-matt
- ▶ Box covered with high quality, embossed glossy film





## THE COLOUR DICTIONARY

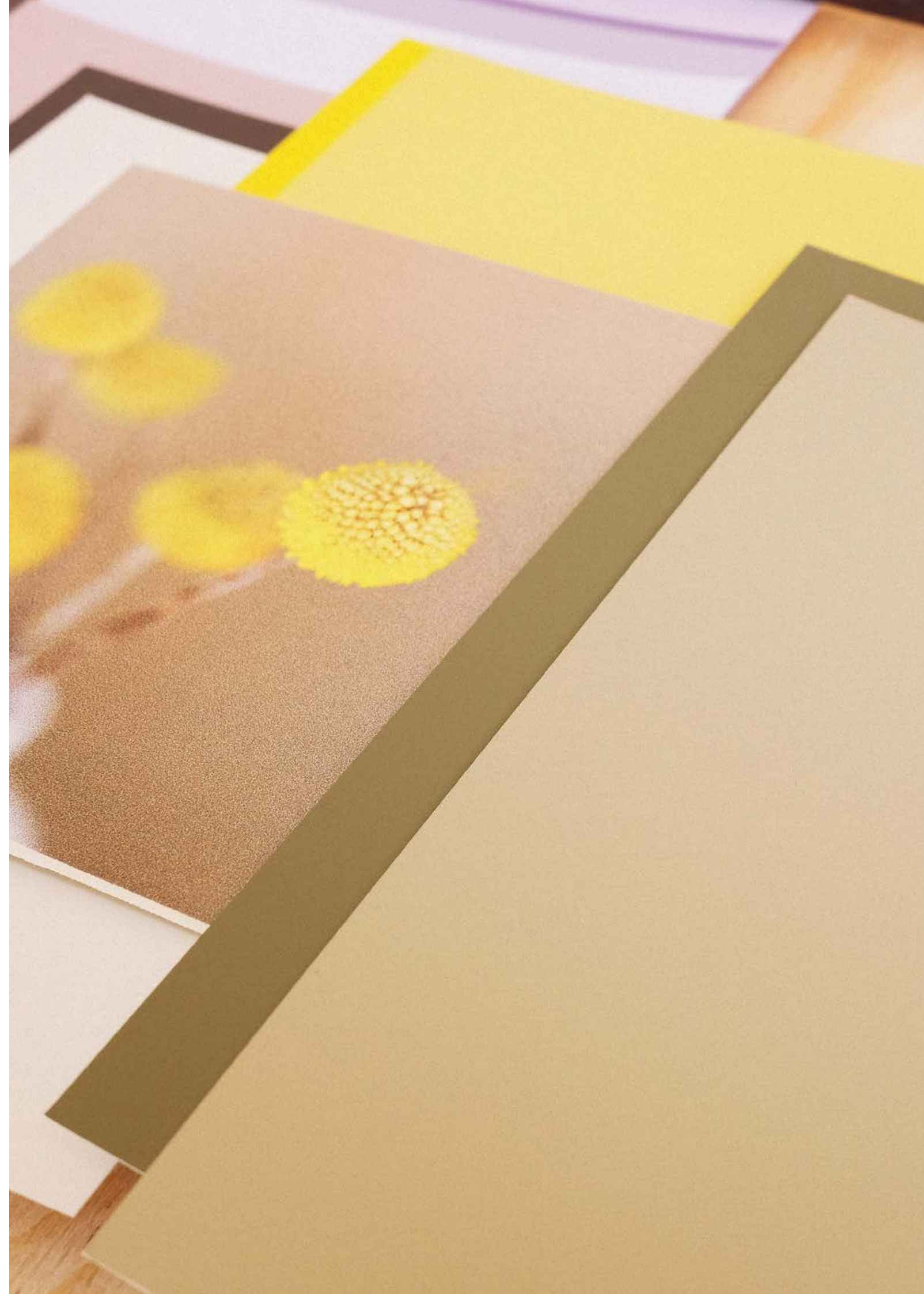
The "Colour Dictionary" by the colour researcher and trend consultant Prof. Axel Venn in collaboration with the designer Janina Venn-Rosky and RAL COLOURS presents expressive collages for 360 adjectives. Designers can confidently glance at the expressive, fascinating world of colour psychology.



- Format: 24 x 26 cm, hard cover
- Bilingual: DE, EN
- 864 pages
- 360 adjectives and their translation into colour compositions
- Approx. 20,000 illustrations
- Including a large poster
- Displayed in RAL DESIGN SYSTEM *plus* colours

### USING COLOUR EFFECTS SYSTEMATICALLY

How are "honest", "likeable", "tactless" or "endless" reflected in worlds of colour? "The Colour Dictionary" is an essential source of inspiration and the standard work for interior design, advertising, design and teaching.





## BOOK COLOURS FOR MIND, BODY & SOUL

Colours elicit emotion, give direction, create space for wellbeing and are therefore much more than merely a decorative element. In his book "Colours for Mind, Body & Soul", the colour researcher and designer Professor Axel Venn takes the scientific approach of colour psychology and puts it in the context of lifestyle and well-being

- Hard cover 2018 edition
- Format: 23.3 x 3 x 27.3 cm
- Bilingual: DE, EN
- 320 pages filled with inspirations for design in practice
- 24 adjectives from the fields of wellbeing, health and recuperation
- Scientifically researched
- 760 colour illustrations
- With draft template to develop your own colour collections
- Coded in RAL DESIGN SYSTEM *plus*
- ISBN: 978-3-95961-227-2



AVAILABLE IN A BUNDLE WITH A  
CORRESPONDING COLOUR FAN SEMI MATT  
(FAN SIZE: 8.7 X 19.7 CM).



## COLOUR FAN COLOURS FOR MIND, BODY & SOUL

A colour guide with 120 shades in the RAL DESIGN SYSTEM *plus* supports designers in developing colour concepts and mood boards – because colours provide energy or help recovery, depending on the shade selected.

- Colour guides in 8.7 x 19.7 cm format
- Result of a scientific study
- 120 colours from the RAL DESIGN SYSTEM *plus*
- Four colours per page
- In each case one colour field with a colour code and colour name in DE/EN (5.0 x 4.5 cm)
- In each case four removable colour chips including the colour code (1.8 x 2.2 cm)
- Gloss level of colours: semi-matt
- Including explanation and structure of the RAL DESIGN SYSTEM *plus*





# RAL EFFECT

## THE INNOVATIVE COLOUR PALETTE FOR INDUSTRIAL AND PRODUCT DESIGN



The **RAL EFFECT** colour collection enables RAL to satisfy the desire for a broader range of design colours in the design-oriented area of application. **RAL EFFECT** includes 420 plain shades divided into colour families each with six harmoniously matching shades. A metallic shade is assigned to each colour family additionally as a special highlight. This means that there are 490 shades in the colour

collection for modern, eye-catching colour schemes. **RAL EFFECT** is the first colour collection from RAL which is based on an aqueous coating system. When it was launched as the first water-based colour chart in 2007, RAL set new standards for environmentally friendly production of colour charts and shade cards.



# RAL E1 COLOUR PRIMARY STANDARD SET

The primary standards RAL E1 of all 490 RAL EFFECT colours serve as binding colour samples for colour matching and quality control. The 420 solid colours (semi-matt) are based on waterborne paint systems, the 70 metallic colours (high-gloss) are based on acrylic paints.

- ▶ 2 high quality boxes in format:  
49.0 x 26.0 x 17.5 cm
- ▶ 420 solid colours based on  
waterborne paint systems
- ▶ 70 metallic colours based on  
acrylic paints
- ▶ Colour primary standard card size:  
10.5 x 14.8 cm
- ▶ Colour illustration: 10.5 x 13.8 cm
- ▶ Binding colour samples for colour  
matching and quality control
- ▶ Gloss level of solid colours:  
semi-matt
- ▶ Gloss level of metallic colours:  
high-gloss
- ▶ Incl. protection cases



RAL E1  
COLOUR PRIMARY  
STANDARD CARD

All E1 Colour primary standard cards  
are available individually:

E1 Colour primary  
standard card solid

E1 Colour primary  
standard card  
metallic



## RAL E3 COLOUR FAN

RAL E3 Colour fan with all 490 colours from the RAL EFFECT collection.

- ✦ Fan deck size 21.0 x 5.0 cm
- ✦ 70 colour pages with a total of 490 shades
- ✦ 1 metallic colour and 6 solid colours per colour page
- ✦ 70 metallic colours based on acrylic paints
  - Gloss level of single sheet: high-gloss
  - Colour field size of metallic colours: 3.8 x 5.0 cm
- ✦ 420 solid colours based on waterborne paint systems
  - Gloss level of solid colours: semi-matt
  - Colour field size of solid colours: 2.0 x 5.0 cm
- ✦ Every shade with colour code
- ✦ In high-quality protective packaging



## RAL E4 COLOUR FAN

The RAL E4 colour guide with 70 metallic shades simplifies sampling and creates sparkling effects. It provides an overview of the wide range of coloured metallic shades in one guide.

- ✦ Fan deck size 12.8 x 5.0 cm
- ✦ 70 full-surface colour pages
- ✦ Metallic colours based on acrylic paints
- ✦ Gloss level of single sheet: high-gloss
- ✦ 9 additional text pages in DE, EN
- ✦ In high-quality protective packaging



## RAL E6 SINGLE SHEET A6

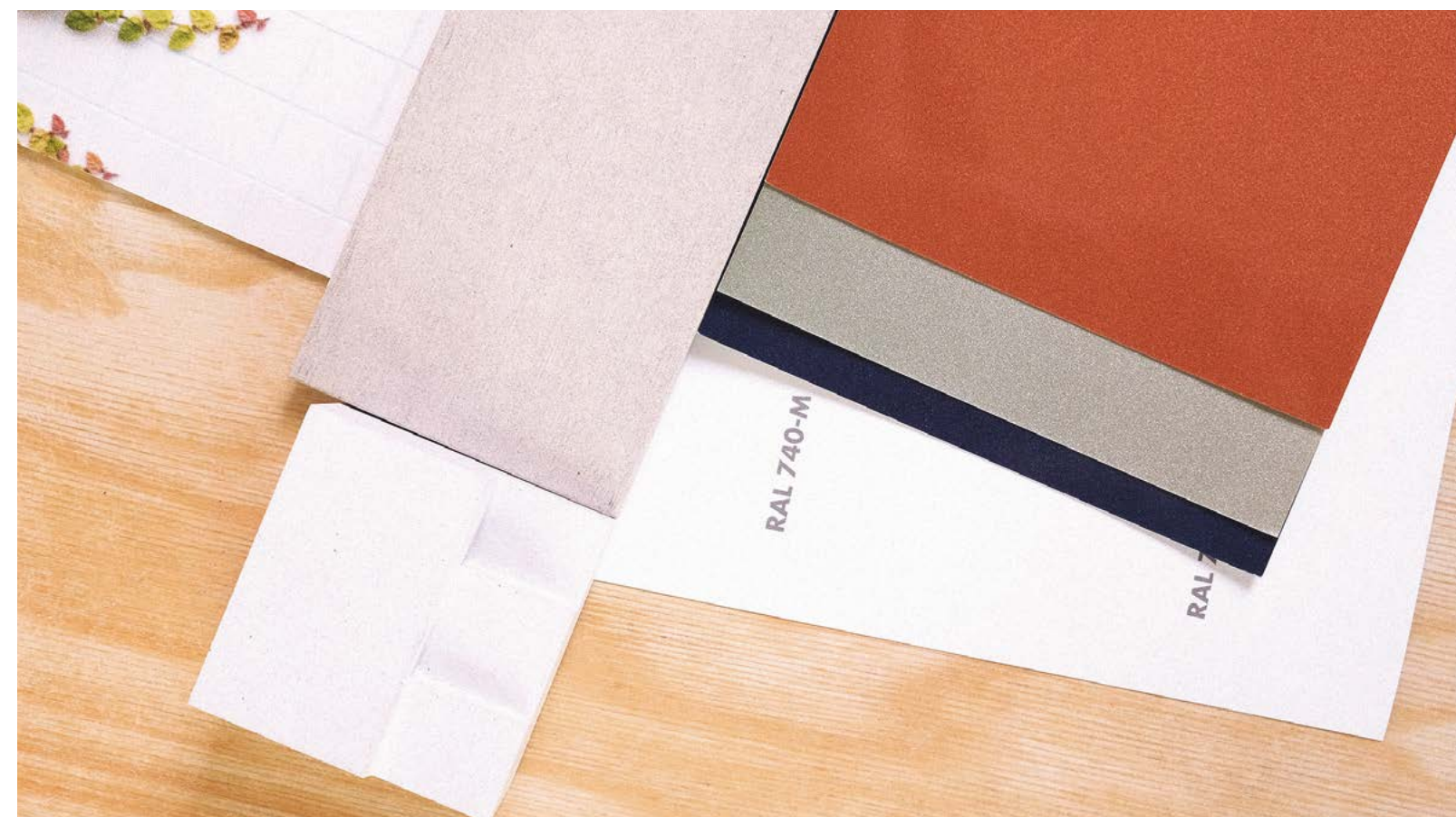
Anyone who would like to focus on colour samples in colour design and work creatively with effects, has a perfect tool in the RAL E6 single sheet A6. RAL has created this product to satisfy the desire for a larger colourful design range for industrial applications.

The E6 Single sheets are an excellent supplement to work with the RAL E3 colour fan.

- ✦ Single sheet A6-sized (10,5 x 14,8 cm)
- ✦ 420 solid colours available

RAL E6  
Single sheet A6  
Uni: semi-matt

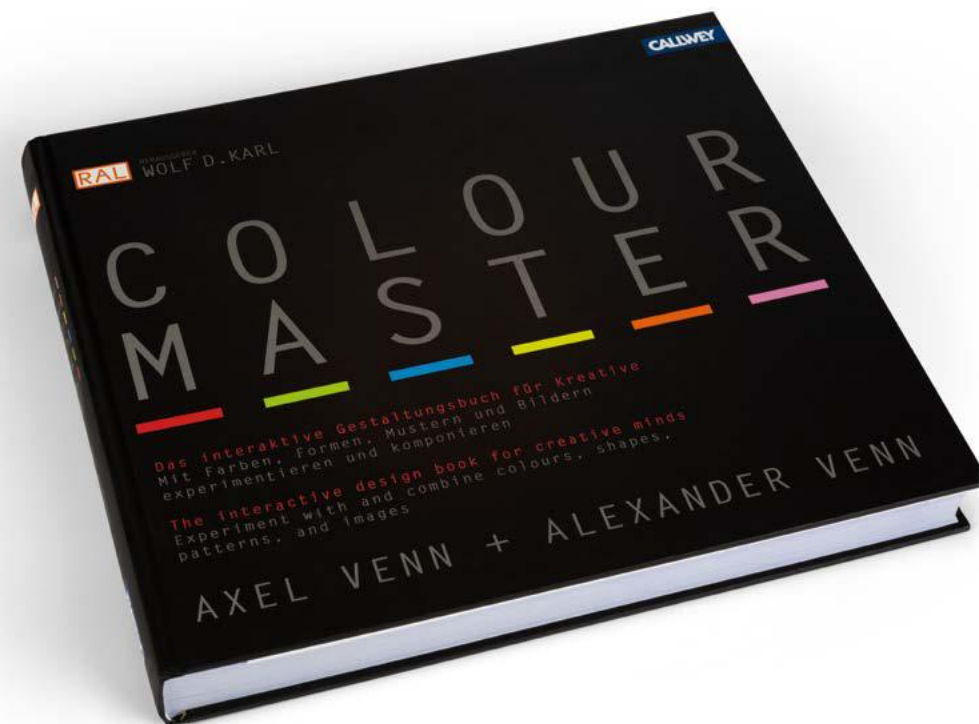
RAL E6  
Single sheet A6  
Metallic:  
high-gloss





# COLOUR MASTER

On 328 pages, "COLOUR MASTER" contains a thorough overview over the different materials for colour design such as wallpaper art, textiles, wood, and construction materials. Designers, architects, artists, and other creative people can get inspired using the dozen colour stencils, different figures and samples.

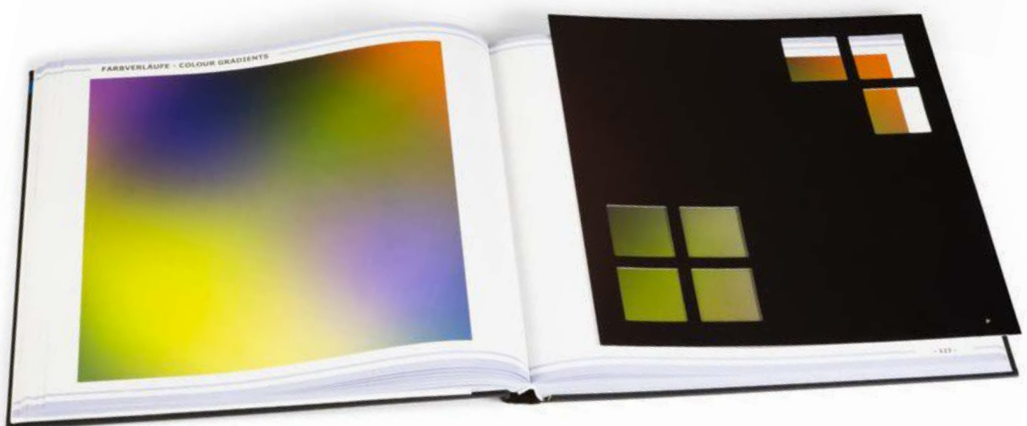


- ▣ 328 pages, Hardcover
- ▣ 12 attached stencils for colour combinations
- ▣ Bilingual: DE, EN
- ▣ Encoded in 490 RAL EFFECT colours
- ▣ ISBN: 978-3-7667-2030-6

## TO EXPERIENCE AN COMBINE WITH COLOURS, FORMS, PATTERNS AND PICTURES

Every single page of the book is an individual creative experimenting tool for the user. All colour displays are encoded in the 490 RAL EFFECT colours.

With "COLOUR MASTER" Author Professor Axel Venn, internationally renowned colour researcher und trend expert created a new book for the handling of colours.





# RAL INDIVIDUAL

PERSONALIZED COLOUR FANS AS A  
BUSINESS CARD FOR COMPANIES



Whether you decide on a chart from the world-famous **RAL CLASSIC** colour collection, the systematically constructed and finely graduated **RAL DESIGN SYSTEM *plus*** or the **RAL EFFECT** shimmering, eye-catching collection, we will always find the right solution for you with your own company logo.

We will add your personal company image to the RAL colour chart you have selected and will make this a harmonious, effective and indispensable advertising material for your company. This will enable you to present both the good name of your company and the colour range in which your products are available. Give your customers a daily useful design instrument with lots of added value!



## RAL D2 INDIVIDUAL

- 225 colour pages with a total of 1,825 shades
- Fan deck size 29.0 x 5.0 cm
- Colour field size 2.5 x 5.0 cm
- Every shade with HLC-code and colour names in German
- Additional fan deck with colour names in EN, FR, RU & CN
- Gloss level of colours: semi-matt
- Protective box covered with high quality, embossed glossy film

## RAL K1 INDIVIDUAL

- Booklet size 10.5 x 20.0 cm
- Colour illustration 5.2 x 1.5 cm
- 14 colours per double page
- Gloss level of colours: gloss
- Every shade with colour code and colour names in DE, EN, FR



- Full page corporate design on the front cover
- Company details are printed either digitally or with offset print
- Cost: depends on the colour scheme of the advertising material and the number of copies ordered



## RAL K5 INDIVIDUAL

- Full page colour swatches  
5.0 x 15.0 cm
- 2 gloss level of colour pages available
  - semi-matt or gloss
- Well-suited for colour combination and colour comparison
- Full page corporate design on the front and back side of the U-shaped protective cover



## RAL K7 INDIVIDUAL

- Colour fan size 5.0 x 15.0 cm
- Colour illustration 2.0 x 5.0 cm
- Five colours per page
- Gloss level of colours: gloss
- Every shade with colour code and colour names in German
- Additional pages with colour names in EN, FR, ES, IT, NL
- In high quality protective packaging



## RAL E3 INDIVIDUAL

- Fan deck size 21.0 x 5.0 cm
- 70 colour pages with a total of 490 shades
- 1 metallic colour and 6 solid colours per colour page
- 70 metallic colours based on acrylic paints
  - Gloss level of single sheet: high-gloss
  - Colour field size of metallic colours: 3.8 x 5.0 cm
- 420 solid colours based on waterborne paint systems
  - Gloss level of solid colours: semi-matt
  - Colour field size of solid colours: 2.0 x 5.0 cm
- Every shade with colour code
- Additional text pages describing RAL EFFECT in DE, EN

 **Inquire now >**

## RAL E4 INDIVIDUAL

- Fan deck size 12.8 x 5.0 cm
- 70 full-surface colour page
- Metallic colours based on acrylic paints
- Gloss level of single sheet: high-gloss
- 9 additional text pages in DE, EN



- Full page corporate design on the front cover
- Company details are printed either digitally or with offset print
- Cost: depends on the colour scheme of the advertising material and the number of copies ordered



# RAL DIGITAL

THE RAL COLOR READER –  
THE PERFECT COLOUR MEASUREMENT FOR PROFESSIONALS.  
PRECISE, SIMPLE, COMFORTABLE.



Thanks to its precision, the **RAL COLOR READER** is exactly the right tool for professional colour users. The device will already impress you during the first colour scan with its measuring accuracy of 92 %. The **RAL COLOR READER** has a highly developed optical lens and six white LEDs with a high CRI value. The powerful LEDs isolate colours and illuminate them equally, enabling you to obtain an accuracy

measurement even at the first attempt. It doesn't matter whether measuring wall or floor colours, the colour of a piece of furniture, plastic or textiles, whether the colour is matt or has a metallic effect, plain colours or samples. The colour measuring device will provide the right RAL shade even on the smallest surface.

## RAL COLOR READER

92 %  
FIRST-MATCH  
ACCURACY



### FEATURES OF THE APP

- ▶ Displays digital RAL colour fans: RAL CLASSIC, RAL EFFECT and RAL DESIGN SYSTEM *plus*
- ▶ Create your own colour collections
- ▶ Save, label and share colours
- ▶ Complementary colour suggestion
- ▶ Quality control feature
- ▶ Supported languages: DE, EN, FR, IT, ES, CN
- ▶ System requirements:
  - Android™ 6.0 or higher
  - iPhone® or iPodTouch® running iOS version 9.3 or higher
  - Compatible with Bluetooth® 4.0 or higher

### TECHNICAL INFORMATION

- ▶ Weight: 45 grams
- ▶ 28 mm (Ø) x 69 mm
- ▶ 6 High CRI, white LED's + optical
- ▶ Bluetooth
- ▶ Colour models: CIE Lab, RGB, Hex, CMYK, LRV, LCH
- ▶ Measuring geometry: 45°/0° type
- ▶ Illuminant/ observer: D65/1

### WHAT YOU GET

- ▶ RAL COLOR READER device
- ▶ Micro USB cable (rechargeable lithium polymer battery > 300 measurements/charge)
- ▶ White tile calibration disk cap
- ▶ Access-code Color Reader app



# RAL ACADEMY

FURTHER TRAINING IN COLOUR DESIGN  
AT THE HIGHEST LEVEL



The seminars at the **RAL ACADEMY** on the subject of colour and colour design are aimed at all professional groups from the areas of architecture, design and trade who want to expand their knowledge of colour and be perceived by their customers as experts in this field.

Specialists in colour design always keep their expertise up to date. RAL COLOURS is supporting them in this and connects modern scientific knowledge with long-term experience in training and development of colour designers at a very high level.



The courses range from one-day workshops and seminars to two-day workshops and shop and studio talks. Participants not only get to know and learn how to use the diverse world of RAL products but also gain profound insights into the world of colour design and connections between light and colour.

Lecturers and course managers from education, industry and architecture impart their knowledge via lectures, workshops, presentations, practical exercises, experiments and discussions. With the RAL ACADEMY events, the colour and design expertise of the participants will be expanded. At the same time, the academy will establish connections between different professional groups dealing with the topics of colour and colour design.

Further information about the topic of training and development at RAL COLOURS can be found at [www.ral.de/akademie-uebersicht](http://www.ral.de/akademie-uebersicht)

## RAL ACADEMY

- ▣ Training and development for professional colour users
- ▣ Workshops & seminars as well as shop and studio talks
- ▣ Getting to know and using RAL products
- ▣ Insights into colour design, theory & practical exercises
- ▣ Top-class speakers and course instructors







**PLANK:** The MIURA stool, designed by Konstantin Grcic, is available in many RAL colours. RAL 7021 Black grey, RAL 9002 Grey white, RAL 3020 Traffic red, RAL 2004 Pure orange, RAL 1027 Curry, RAL 3009 Oxyde red and RAL 5023 Cobalt blue underline its dynamic shape.



**MÜLLER MÖBELFABRIKATION:** The Mobile Line mobile pedestals are available in all RAL colours according to customer requirements.



**OTTO KIND GMBH & CO. KG:** Numerous detailed solutions provide space for completely new ways of working. Ergonomics as the cornerstone for productivity.



**LASFERA:** The lamp is available in RAL colours and can be individually designed by the customer himself.



**POPSTAHL:** Since Popstahl was founded, Ralf Weissheimer has been working successfully together with RAL COLOURS – this is how modern design meets proven standard.

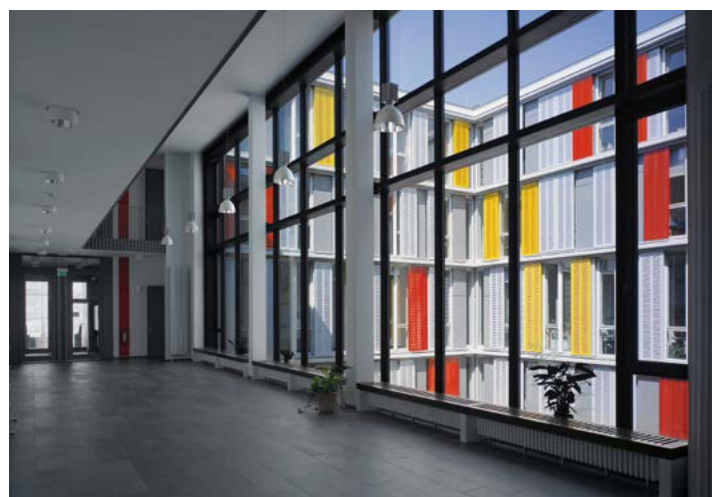


**AUER PACKAGING:** The transport containers from Auer Packaging are available in many RAL colour tones.



**BRIG RIGID INFLATABLE BOATS:** A boat with individual paintwork: The Ukrainian BRIG rigid inflatable boats are custom-made and produced individually in RAL colours.

# INSPIRATIONS



**EHRET:** The atrium of Oranienburg district court fitted with nearly 150 shutters in different RAL colours.



**OPINION CIATTI:** modern furniture in RAL colours RAL 5002 Ultramarine blue, RAL 5005 Signal blue, RAL 5012 Light blue and RAL 4006 Traffic purple.

**NBK KERAMIK:** 140.000 ceramic elements in six different colours: RAL 070 70 80, RAL 050 50 70, RAL 050 50 78, RAL 000 75 00, RAL 110 60 50 and RAL 7035 Light grey.



**CITY GATE BREMEN:** Development of a colour concept with the colours of the RAL DESIGN SYSTEM *plus*.



Shipping



Research + technology



Trade



Coffee





**BOSSE:** Be it chairs, tables, modular furniture or room-within-a-room solutions. Bosse provides customers with everything from a single source – for example also in RAL 1018 Zinc yellow.



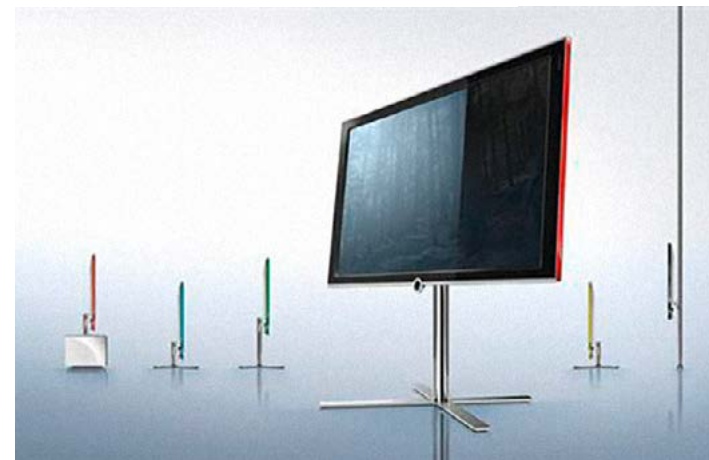
**ALLMILMÖ KITCHENS:** allmiljö is the leading premium brand manufacturer of high quality kitchen furniture.



**FRANKE:** Franke Aquarotter brings colour into play for public sanitary facilities.



**TECKENTRUP:** The doors, garage doors and industrial doors by Teckentrup made of steel, stainless steel and aluminum are available in many RAL colors.



**LOEWE:** Next to seven Loewe standard inlay colours, 250 shades of the RAL colour palette are available.



**SIEDLE:** The intercom systems and interior stations of the market leader in building communication are available in all RAL colours.



**BREEZER AIRCRAFT:** The aircrafts manufactured in Northern Germany are available in different RAL COLOURS.

# INSPIRATIONS



**OPENING BRIDGE „PRAYER OF SHADOW“:** The spectacular bridge over the Amstel is coated in RAL 6007 Bottle green. Within the space of a minute, this high-tech-bridge in Vrouwenakker (south of Amsterdam) can be raised or lowered.

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**WALTER KNOLL:** The leading office furniture manufacturer Walter Knoll from Herrenberg produces work desk and conference programs in the RAL CLASSIC colour RAL 9010.



**HUMBAUR:** Horse trailers that look anything but boring are available through the company Humbaur, also in different RAL CLASSIC shades such as RAL 1004 Golden yellow and RAL 3003 Ruby red.

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# The RAL COLOUR DNA compendium – as unique as a genetic fingerprint

Find out all about the RAL individual  
colours and their exact definition.

Lively. Coloured. Inspiring.

For example  
RAL DESIGN SYSTEM *plus*

**320 40 40**

Violet purple



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