



NEW
RAL P2
WITH 200
COLOURS

The RAL colour standard for plastics

RAL P2: 200 new colours for plastics

The world of RAL standards for plastics has just become more colourful: RAL P2 PLASTICS is introducing new design options for precise colour communication in the plastics sector. 200 additional RAL DESIGN colours – including cool teals, juicy leaf greens, earthy ochres, brilliant berry hues and delicate lilacs – have added a range of new colour statement options to the plastics palette. For plastics manufacturers and plastics processors,

for products in the cosmetics industry and the construction sector, and for household goods and packaging. New colour combinations for games, sports and leisure time. RAL P2 contains 160 opaque and 40 special, transparent colours. Together with the 100 most popular, classic colours from RAL P1, the entire RAL PLASTICS colour palette provides 300 precise colour samples for plastics. Each colour is also available as a single plate.

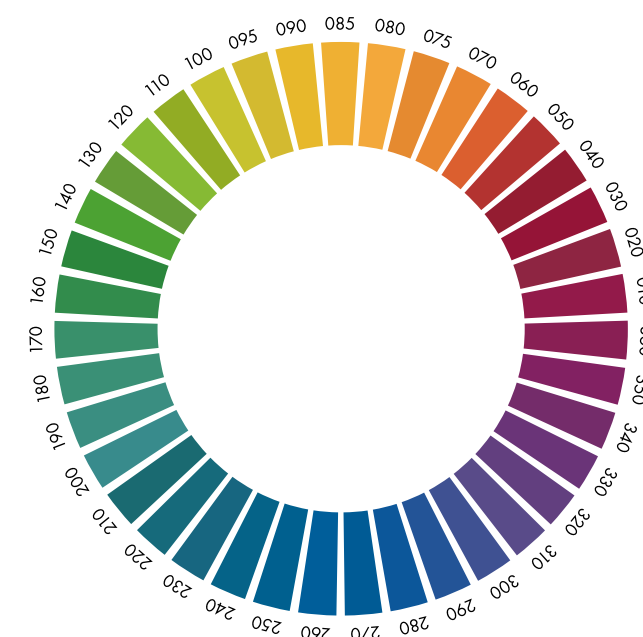
NEW



Creative colour design for innovative products

A yellow that says 'warm' and 'fresh' at the same time? Colours that radiate peace and security? For sophisticated colour design, RAL P2 provides different levels of saturation for each colour and also enables an analysis of the optimal effect by including a variety of surfaces. We have hand-picked the 200 new RAL P2 colours from the internationally renowned RAL DESIGN System used by architects, designers and product designers. Colour designers in the world of plastics will be able to implement their colour concepts with a wider range of options using RAL P2. Innovative, surprising product statements can easily be translated into the perfect colour language with RAL P2.

The RAL DESIGN System colour circle



RAL 000 15 00-P RAL 000 40 00-P RAL 000 55 00-P RAL 000 55 00-P-T RAL 000 85 00-P	RAL 085 40 20-P RAL 085 60 60-P RAL 085 80 85-P RAL 085 80 85-P-T RAL 085 90 10-P	RAL 170 30 20-P RAL 170 30 20-P-T RAL 170 40 20-P RAL 170 60 20-P RAL 170 80 10-P	RAL 270 30 20-P RAL 270 30 20-P-T RAL 270 40 20-P RAL 270 60 20-P RAL 270 70 10-P
RAL 010 30 44-P RAL 010 40 53-P RAL 010 40 53-P-T RAL 010 60 45-P RAL 010 80 20-P	RAL 090 50 40-P RAL 090 70 80-P RAL 090 80 90-P RAL 090 80 90-P-T RAL 090 90 30-P	RAL 180 40 45-P RAL 180 60 50-P RAL 180 60 50-P-T RAL 180 70 25-P RAL 180 90 10-P	RAL 280 30 40-P RAL 280 30 40-P-T RAL 280 40 40-P RAL 280 50 30-P RAL 280 80 10-P
RAL 020 20 20-P RAL 020 30 40-P RAL 020 50 58-P RAL 020 50 58-P-T RAL 020 90 10-P	RAL 095 50 50-P RAL 095 60 70-P RAL 095 60 70-P-T RAL 095 70 70-P RAL 095 90 40-P	RAL 190 30 20-P RAL 190 30 20-P-T RAL 190 40 20-P RAL 190 50 20-P RAL 190 70 20-P	RAL 290 30 30-P RAL 290 30 30-P-T RAL 290 50 30-P RAL 290 60 20-P RAL 290 70 10-P
RAL 030 30 20-P RAL 030 40 30-P RAL 030 40 30-P-T RAL 030 60 30-P RAL 030 80 10-P	RAL 100 40 40-P RAL 100 60 60-P RAL 100 80 70-P RAL 100 80 70-P-T RAL 100 90 40-P	RAL 200 30 33-P RAL 200 50 45-P RAL 200 50 45-P-T RAL 200 60 35-P RAL 200 80 10-P	RAL 300 20 30-P RAL 300 40 40-P RAL 300 40 40-P-T RAL 300 70 20-P RAL 300 90 05-P
RAL 040 30 40-P RAL 040 50 60-P RAL 040 50 60-P-T RAL 040 60 60-P RAL 040 80 20-P	RAL 110 50 55-P RAL 110 70 70-P RAL 110 70 70-P-T RAL 110 80 70-P RAL 110 90 30-P	RAL 210 40 20-P RAL 210 50 20-P RAL 210 60 30-P RAL 210 70 35-P RAL 210 70 35-P-T	RAL 310 40 20-P RAL 310 50 30-P RAL 310 50 30-P-T RAL 310 60 20-P RAL 310 70 10-P
RAL 050 30 30-P RAL 050 50 50-P RAL 050 50 78-P RAL 050 50 78-P-T RAL 050 80 20-P	RAL 120 40 40-P RAL 120 50 40-P RAL 120 60 60-P RAL 120 60 60-P-T RAL 120 80 30-P	RAL 220 30 30-P RAL 220 40 40-P RAL 220 40 40-P-T RAL 220 50 40-P RAL 220 70 35-P	RAL 320 20 20-P RAL 320 30 37-P RAL 320 30 37-P-T RAL 320 50 30-P RAL 320 80 15-P
RAL 060 30 27-P RAL 060 50 50-P RAL 060 60 80-P RAL 060 60 80-P-T RAL 060 80 30-P	RAL 130 30 20-P RAL 130 60 50-P RAL 130 60 50-P-T RAL 130 80 40-P RAL 130 90 10-P	RAL 230 30 25-P RAL 230 40 20-P RAL 230 50 30-P RAL 230 50 30-P-T RAL 230 70 20-P	RAL 330 30 20-P RAL 330 50 40-P RAL 330 50 40-P-T RAL 330 60 20-P RAL 330 70 10-P
RAL 070 40 40-P RAL 070 70 80-P RAL 070 70 80-P-T RAL 070 80 50-P RAL 070 90 10-P	RAL 140 20 20-P RAL 140 40 50-P RAL 140 60 70-P RAL 140 60 70-P-T RAL 140 80 20-P	RAL 240 20 22-P RAL 240 30 35-P RAL 240 60 40-P RAL 240 60 40-P-T RAL 240 80 20-P	RAL 340 30 38-P RAL 340 40 45-P RAL 340 40 45-P-T RAL 340 60 40-P RAL 340 80 20-P
RAL 075 40 38-P RAL 075 60 70-P RAL 075 60 70-P-T RAL 075 80 20-P RAL 075 80 60-P	RAL 150 30 20-P RAL 150 30 20-P-T RAL 150 50 20-P RAL 150 60 20-P RAL 150 70 10-P	RAL 250 30 20-P RAL 250 50 30-P RAL 250 50 30-P-T RAL 250 60 30-P RAL 250 80 20-P	RAL 350 20 20-P RAL 350 40 20-P RAL 350 50 40-P RAL 350 50 40-P-T RAL 350 60 20-P
RAL 080 30 26-P RAL 080 50 40-P RAL 080 70 50-P RAL 080 70 50-P-T RAL 080 80 20-P	RAL 160 30 40-P RAL 160 50 60-P RAL 160 50 60-P-T RAL 160 70 45-P RAL 160 80 30-P	RAL 260 20 20-P RAL 260 40 45-P RAL 260 40 45-P-T RAL 260 50 40-P RAL 260 80 15-P	RAL 360 30 15-P RAL 360 30 30-P RAL 360 50 40-P RAL 360 50 40-P-T RAL 360 70 15-P

RAL P1

The 100 most popular RAL CLASSIC colours

RAL P1 has been the RAL colour standard for plastics since 2010. RAL P1 provides the 100 world's most frequently requested colours from the RAL CLASSIC collection. For industry and the trades, the RAL P1 colours are indispensable – for plastics in particular.



Shades of Yellow

RAL 1000-P	Green beige
RAL 1001-P	Beige
RAL 1002-P	Sand yellow
RAL 1004-P	Golden yellow
RAL 1011-P	Brown beige
RAL 1012-P	Lemon yellow
RAL 1013-P	Oyster white
RAL 1015-P	Light ivory
RAL 1016-P	Sulfur yellow
RAL 1017-P	Saffron yellow
RAL 1018-P	Zinc yellow
RAL 1020-P	Olive yellow
RAL 1021-P	Rape yellow
RAL 1028-P	Melon yellow
RAL 1033-P	Dahlia yellow

Shades of Orange

RAL 2000-P	Yellow orange
RAL 2002-P	Vermilion
RAL 2003-P	Pastel orange
RAL 2004-P	Pure orange
RAL 2008-P	Bright red orange
RAL 2012-P	Salmon orange

Shades of Red

RAL 3000-P	Flame red
RAL 3002-P	Carmine red
RAL 3003-P	Ruby red
RAL 3004-P	Purple red
RAL 3012-P	Beige red
RAL 3014-P	Antique pink
RAL 3015-P	Light pink
RAL 3016-P	Coral red
RAL 3018-P	Strawberry red
RAL 3020-P	Traffic red
RAL 3027-P	Raspberry red
RAL 3028-P	Pure red

Shades of Lilac/Violet

RAL 4001-P	Rotlila
RAL 4002-P	Rotviolett
RAL 4003-P	Erikaviolett
RAL 4005-P	Blaulila
RAL 4006-P	Verkehrspurpur
RAL 4007-P	Purpurviolett
RAL 4008-P	Signalviolett
RAL 4009-P	Pastellviolett

Shades of Blue

RAL 5002-P	Ultramarine blue
RAL 5003-P	Sapphire blue
RAL 5005-P	Signal blue
RAL 5009-P	Azure blue
RAL 5010-P	Gentian blue
RAL 5011-P	Steel blue
RAL 5012-P	Light blue
RAL 5013-P	Cobalt blue
RAL 5014-P	Pigeon blue

RAL 5015-P	Sky blue
RAL 5017-P	Traffic blue
RAL 5018-P	Turquoise blue
RAL 5020-P	Ocean blue
RAL 5022-P	Night blue
RAL 5023-P	Distant blue
RAL 5024-P	Pastel blue

Shades of Green

RAL 6000-P	Patina green
RAL 6002-P	Leaf green
RAL 6003-P	Olive green
RAL 6005-P	Moss green
RAL 6009-P	Fir green
RAL 6011-P	Reseda green
RAL 6017-P	May green
RAL 6018-P	Yellow green
RAL 6019-P	Pastel green
RAL 6024-P	Traffic green
RAL 6026-P	Opal green
RAL 6037-P	Pure green

Shades of Grey

RAL 7001-P	Silver grey
RAL 7004-P	Signal grey
RAL 7011-P	Iron grey
RAL 7012-P	Basalt grey
RAL 7015-P	Slate grey
RAL 7016-P	Anthracite grey
RAL 7021-P	Black grey
RAL 7024-P	Graphite grey
RAL 7031-P	Blue grey
RAL 7035-P	Light grey
RAL 7037-P	Dusty grey
RAL 7038-P	Agate grey
RAL 7040-P	Window grey
RAL 7042-P	Traffic grey A
RAL 7045-P	Telegrey 1

Shades of Brown

RAL 8001-P	Ochre brown
RAL 8004-P	Copper brown
RAL 8007-P	Fawn brown
RAL 8008-P	Olive brown
RAL 8011-P	Nut brown
RAL 8014-P	Sepia brown
RAL 8015-P	Chestnut brown
RAL 8017-P	Chocolate brown
RAL 8023-P	Orange brown
RAL 8025-P	Pale brown

Shades of White/Black

RAL 9001-P	Cream
RAL 9002-P	Grey white
RAL 9003-P	Signal white
RAL 9010-P	Pure white
RAL 9011-P	Graphite black
RAL 9016-P	Traffic white

RAL P1 and RAL P2 in multifunctional design

RAL P1 and RAL P2 are synonymous with precise colour communication. The design of the DIN A6-sized RAL P1 and RAL P2 plastics colour chips has been carefully selected. It has been precisely coordinated to the requirements of plastics manufacturers and plastics processors. Three different surface textures – high gloss polished, VDI 24 and VDI 42 – show users the colour dependent on surface roughness. Three levels of thickness make it easy to look at each colour when 100 percent opaque or at lower levels of opacity. As a specific feature RAL P2 also provides transparent colours.



RAL 5017-P, an example from RAL P1

Polypropylene assures diversified applicability

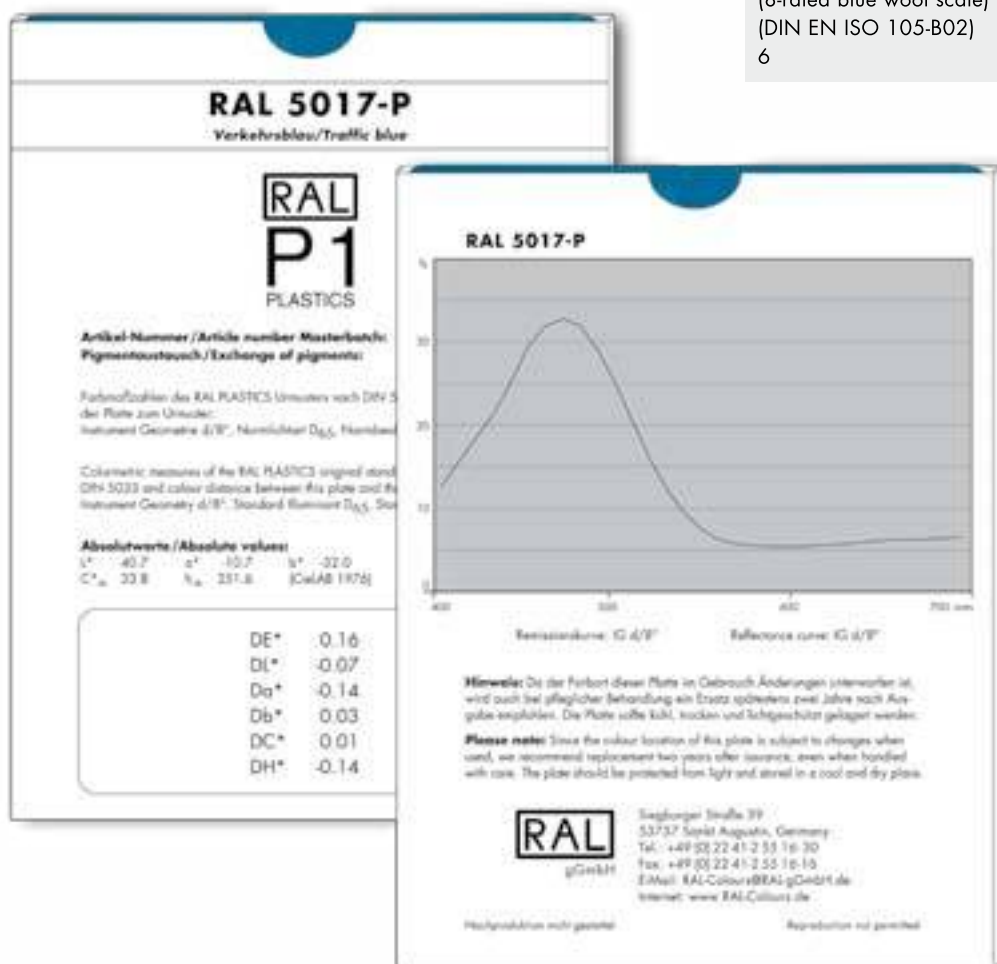
Polypropylene was intentionally chosen for RAL PLASTICS. It is a bulk plastic used in many manufactured products because of its balanced property profile and excellent value for money. Its applicability in a wide variety of manufacturing processes and compatibility with numerous dyes also speak in favour of this plastic.



RAL 040 50 60-P-T, an example from RAL P2

Precise colour communication with RAL P1 and RAL P2

With RAL P1 and RAL P2, the inaccuracies that were often unfortunate by-products of the old method of translating RAL paint samples into plastics colours now belong to the past. This means that plastics manufacturers and plastics processors can now save time, costs and raw materials.



The protective sleeve for each RAL P1 PLASTICS sample contains all important data:

- Masterbatch code
- Colorimetric measures
- Absolute values
- Reflectance curve
- Distance to the plastics original standard

Heat resistance [°C]:
(dwell time 5 min.;
DIN EN 12877)
up to 260 °C

Lightfastness
(8-rated blue wool scale)
(DIN EN ISO 105-B02)
6

Food approval according to BfR recommendation IX / AP (89) 1

Free of cadmium pigments, lead pigments and diarylide pigments

Legal notice:

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Technical implementation:



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