



 Henryk Jursz

RAL2other

1. Zawartość pakietu:

- katalog „**Library**” – biblioteki 190 kolorów RAL Classic (**RAL_in_RGB**, **RAL_in_CMYK**, **RAL_as_spot**) w formatach *.kpc (Kombi – pliki skopiować do Kombi/Config/Palety standardowe/), *.cpl (Corel DRAW! – skopiować do Corel/Graphics/Custom/Palettes) oraz *.library (PageStream – pliki skopiować do PageStream/SoftLogik/Colors/);
- katalog „**Sheets**” – tabele w formatach *.sxc (OpenOffice.org Calc), *.xls (Excel) oraz *.csv (tekst z tabulatorami):
 - **RAL2other.sxc/xls/csv** – odpowiedniki dla 190 kolorów RAL Classic w: CMYK, RGB, CIELab, HKS (E, K, N, Z), 3M Controltac Plus 180C, 3M Scotchcal (100F, 2330, 3630, 60), Alvarado Morton, Aslan C 118, Dorosoft Stobt, Fascal 500 (Błysk, Mat), Grafitack (100, 200-300 plus, Budget, Graficast, Promo, TL), LG Chem (Hi-Cal LC2000, Hi-Cal LC3000, Hi-Cal LT4000, Hi-Cast LA8000, Hi-Cast LA9000), LKW, Mactac Macal (8000 S, 8900, 8900 S, 9700 S, 9800 Pro), Mactac Macmark 8300, Mactac Macsoft 900 S, Maragloss (GO, PL), Multi-Fix (4000, 5000, 5500, 5900, 7000, 9000), Neschen Filmolux (110, 121, 126), Orafol Oracal (451, 631, 641, 651, 6510, 751, 7510, 8300, 8500, 8510, 870), Plascoat PPA 571, Transfertex, Ultramark Ultramark 3500, X-Film Normex (D-CUM, D-LX, D-MX, D-CX), X-Film Starex (D-CL, D-CU), X-Tra Color, Zenocal (Normocut, Spectracut), oraz w: Federal Standard, Gunze Sangyo, Hobby Color, Humbrol, JPS Modell, Model Master, Revel, RLM, Tamiya, Vallejo Model Color, a także ich niemieckie i angielskie nazwy;
 - **PAN2other.sxc/xls/csv** – odpowiedniki 942 kolorów Pantone w: CMYK, RGB, RAL, Oracal Orafol 641, HKS (E, K, N, Z).
- **RAL2other.pdf** – odpowiedniki 190 kolorów RAL Classic w: CMYK, RGB, LAB, HKS K, Pantone, Oracal Orafol (451, 631, 641, 651, 751, 8300, 8500, 870) oraz ich niemieckie i angielskie nazwy.

1. Packet content:

- folder **"Library"** – libraries of 190 RAL Classic colors (**RAL in RGB**, **RAL in CMYK**, **RAL as spot**) in *.kpc format (Kombi – put it in Kombi/Config/Palety standardowe/), *.cpl format (Corel DRAW! – put it in Corel/Graphics/Custom/Palettes) and *.library format (PageStream – put it in PageStream/SoftLogik/Colors/);
- folder **"Sheets"** – tables in *.sxc format (OpenOffice.org Calc), *.xls format (Excel) and *.csv format (tabbed text):
 - **RAL2other.sxc/xls/csv** – suitable colors for 190 RAL Classic colors: Pantone, CMYK, RGB, CIE Lab, HKS (E, K, N, Z), 3M Controltac Plus 180C, 3M Scotchcal (100F, 2330, 3630, 60), Alvarado Morton, Aslan C 118, Dorosoft Stobt, Fascal 500 (Błysk, Mat), Grafitack (100, 200-300 plus, Budget, Graficast, Promo, TL), LG Chem (Hi-Cal LC2000, Hi-Cal LC3000, Hi-Cal LT4000, Hi-Cast LA8000, Hi-Cast LA9000), LKW, Mactac Macal (8000 S, 8900, 8900 S, 9700 S, 9800 Pro), Mactac Macmark 8300, Mactac Macsoft 900 S, Maragloss (GO, PL), Multi-Fix (4000, 5000, 5500, 5900, 7000, 9000), Neschen Filmolux (110, 121, 126), Orafol Oracal (451, 631, 641, 651, 6510, 751, 7510, 8300, 8500, 8510, 870), Plascoat PPA 571, Transfertex, Ultramark Ultramark 3500, X-Film Normex (D-CUM, D-LX, D-MX, D-CX), X-Film Starex (D-CL, D-CU), X-Tra Color, Zenocal (Normocut, Spectracut), and in: Federal Standard, Gunze Sangyo, Hobby Color, Humbrol, JPS Modell, Model Master, Revel, RLM, Tamiya, Vallejo Model Color, and german and english names for RAL colors;
 - **PAN2other.sxc/xls/csv** – suitable colors for 942 Pantone colors: CMYK, RGB, RAL, Oracal Orafol 641, HKS (E, K, N, Z).
- **RAL2other.pdf** – german and english names for 190 RAL Classic colors and its suitable colors in: CMYK, RGB, LAB, HKS, Pantone, Oracal Orafol (451, 631, 641, 651, 751, 8300, 8500, 870).

2. Źródła/Sources

<http://www.aperion.de/tools.htm>
<http://www.dirp.cz/ral.html>
<http://niusy.onet.pl/niusy.html?t=artykul&group=pl.comp.dtp&aid=30646874>
<http://www.groensteen.net/couleur.php>
http://www.stromprop.cz//stranky/pouzity_material.htm
http://www.105.ru/support/color_match/
<http://www.aufkleberdealer.de/folie.php>
<http://www.agencja-roland.com.pl/folie.htm>
<http://www.belettering-jan.be/letters/kleuren.htm>
<http://www.lmtgruppen.dk/farvekort/>
<http://www.lockamp.de/>
http://www.wmt.spb.ru/shop/view_item.php?iid=4706
http://www.plascoat.com/techdocs/RAL_Color_List.htm
<http://www.spandex.cz/produkty/rezanareklama/samolepicifolie/oracal/>
<http://www.easyrgb.com/>

http://www.marineflieger.de/pdf/Farbkonvertierung_Revell.pdf
http://www.marineflieger.de/pdf/Farbkonvertierung_Model_Master.pdf
http://www.marineflieger.de/pdf/Farbkonvertierung_Humbrol.pdf
<http://www.marineflieger.de/pdf/Farbtabelle.pdf>
<http://www.jpsmodell.de/dc/querfs.htm>
<http://www.panzer-modell.de/tipps/farbkonv.htm>
<http://homepage.oninet.pt/062mez/>

RAL 1000

Grünbeige/Green beige

CMYK

010, 010, 050, 010

RGB

214, 199, 148

LAB

+76,10, -00,56, +26,69

HKS K

...

Pantone

5787C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1001

Beige/Beige

CMYK

000, 020, 050, 020

RGB

217, 186, 140

LAB

+73,80, +05,24, +25,77

HKS K

...

Pantone

4525C

Oracal Orafol

451 – ...

631 – 082

641 – 082

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1002

Sandgelb/Sand yellow

CMYK

000, 020, 060, 010

RGB

214, 176, 117

LAB

+72,10, +07,16, +35,49

HKS K

...

Pantone

4515C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1003

Signalgelb/Signal yellow

CMYK

005, 020, 090, 000

RGB

252, 163, 041

LAB

+75,40, +19,11, +76,65

HKS K

...

Pantone

116C

Oracal Orafol

451 – ...

631 – 019

641 – 019

651 – 019

751 – 019

8300 – ...

8500 – ...

870 – ...

RAL 1004

Goldgelb/Golden yellow

CMYK

005, 030, 100, 000

RGB

227, 150, 036

LAB

+70,00, +14,88, +76,57

HKS K

...

Pantone

111C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1005

Honiggelb/Honey yellow

CMYK

010, 030, 100, 000

RGB

201, 135, 033

LAB

+64,00, +13,02, +73,86

HKS K

...

Pantone

117C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1006

Maisgelb/Maize yellow

CMYK

005, 030, 090, 000

RGB

224, 130, 031

LAB

+67,00, +22,51, +73,64

HKS K

71

Pantone

131C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1007

Narzissengelb/Daffodil yellow

CMYK

000, 040, 100, 000

RGB

227, 122, 031

LAB

+67,00, +26,37, +76,59

HKS K

...

Pantone

124C

Oracal Orafol

451 – ...

631 – 020

641 – 020

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1011

Braunbeige/Brown beige

CMYK

030, 040, 070, 000

RGB

173, 122, 079

LAB

+58,00, +12,18, +31,74

HKS K

...

Pantone

1255C

Oracal Orafol

451 – ...

631 – 081

641 – 081

651 – 081

751 – 081

8300 – ...

8500 – 081

870 – ...

RAL 1012

Zitronengelb/Lemon yellow

CMYK

010, 010, 090, 000

RGB

227, 184, 056

LAB

+74,00, +04,53, +64,84

HKS K

...

Pantone

458C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1013

Perlweiß/Oyster white

CMYK

000, 005, 020, 010

RGB

255, 245, 227

LAB

+88,00, +00,17, +10,00

HKS K

...

Pantone

4545C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1014

Elfenbein/Ivory

CMYK

000, 010, 040, 010

RGB

240, 214, 171

LAB

+81,00, +02,40, +22,87

HKS K

...

Pantone

4525C

Oracal Orafol

451 – ...

631 – ...

641 – 082

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1015

Hellelfenbein/Light ivory

CMYK

000, 005, 030, 010

RGB

252, 235, 204

LAB

+86,00, +02,23, +15,84

HKS K

...

Pantone

4545C

Oracal Orafol

451 – ...

631 – ...

641 – 082

651 – ...

751 – 018

8300 – ...

8500 – ...

870 – ...

RAL 1016

Schwefelgelb/Sulfur yellow

CMYK

010, 000, 090, 000

RGB

255, 245, 066

LAB

+88,00, -09,14, +74,44

HKS K

...

Pantone

395C

Oracal Orafol

451 – 025

631 – 025

641 – 025

651 – 025

751 – 025

8300 – 025

8500 – 025

870 – ...

RAL 1017

Safrangelb/Saffron yellow

CMYK

000, 030, 070, 000

RGB

255, 171, 089

LAB

+76,00, +19,50, +53,56

HKS K

...

Pantone

142C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1018

Zinkgelb/Zinc yellow

CMYK

000, 000, 080, 000

RGB

255, 214, 077

LAB

+84,00, +02,51, +71,96

HKS K

...

Pantone

3945C

Oracal Orafol

451 – ...

631 – ...

641 – 022

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1019

Graubeige/Grey beige

CMYK

005, 020, 040, 040

RGB

163, 140, 122

LAB

+62,00, +04,33, +13,31

HKS K

...

Pantone

408C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1020

Olivgelb/Olive yellow

CMYK

001, 005, 030, 040

RGB

156, 143, 097

LAB

+60,00, +00,44, +25,00

HKS K

...

Pantone

399C

Oracal Orafol

451 – ...

631 – ...

641 – 091

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1021

Rapsgelb/Rape yellow

CMYK

000, 010, 100, 000

RGB

252, 189, 031

LAB

+78,00, +09,51, +90,50

HKS K

...

Pantone

605C

Oracal Orafol

451 – 021

631 – 022

641 – 022

651 – 022

751 – 022

8300 – 021

8500 – 021

870 – 022

RAL 1023

Verkehrsgelb/Traffic yellow

CMYK

000, 010, 090, 000

RGB

252, 184, 033

LAB

+78,00, +09,62, +91,50

HKS K

...

Pantone

109C

Oracal Orafol

451 – ...

631 – 021

641 – 021

651 – 021

751 – ...

8300 – 021

8500 – ...

870 – ...

RAL 1024

Ockergelb/Ochre yellow

CMYK

030, 040, 070, 010

RGB

181, 140, 079

LAB

+63,00, +08,52, +40,10

HKS K

...

Pantone

457C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1027

Currygelb/Curry

CMYK

010, 020, 090, 040

RGB

153, 117, 033

LAB

+55,90, +06,01, +56,28

HKS K

...

Pantone

3985C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1028

Melonengelb/Melon yellow

CMYK

000, 030, 100, 000

RGB

255, 140, 026

LAB

+74,00, +30,93, +89,82

HKS K

...

Pantone

1235C

Oracal Orafol

451 – ...

631 – ...

641 – 020

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1032

Ginstergelb/Broom yellow

CMYK

000, 030, 090, 010

RGB

227, 163, 041

LAB

+71,00, +12,85, +72,88

HKS K

...

Pantone

110C

Oracal Orafol

451 – ...

631 – ...

641 – 019

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1033

Dahliengelb/Dahlia yellow

CMYK

000, 030, 090, 000

RGB

255, 148, 054

LAB

+72,00, +27,35, +67,68

HKS K

05

Pantone

130C

Oracal Orafol

451 – 020

631 – 020

641 – 020

651 – 020

751 – 020

8300 – 020

8500 – 020

870 – 020

RAL 1034

Pastellgelb/Pastel yellow

CMYK

000, 030, 080, 000

RGB

247, 153, 092

LAB

+72,00, +21,98, +47,13

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 1037

Sonnengelb/Sun yellow

CMYK

000, 040, 100, 000

RGB

245, 163, 000

LAB

+73,70, +11,30, +41,10

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 2000

Gelborange/Yellow orange

CMYK

000, 050, 100, 000

RGB

224, 094, 031

LAB

+59,00, +34,91, +62,97

HKS K

...

Pantone

1385C

Oracal Orafol

451 – ...

631 – ...

641 – 036

651 – ...

751 – ...

8300 – 020

8500 – ...

870 – ...

RAL 2001

Rotorange/Red orange

CMYK

000, 080, 100, 020

RGB

186, 046, 033

LAB

+48,00, +41,00, +39,60

HKS K

...

Pantone

1525C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 2002

Blutorange/Vermilion

CMYK

000, 090, 100, 000

RGB

204, 036, 028

LAB

+45,00, +51,22, +40,02

HKS K

15

Pantone

1797C

Oracal Orafol

451 – ...

631 – ...

641 – 034

651 – ...

751 – ...

8300 – 031

8500 – 031

870 – ...

RAL 2003

Pastellorange/Pastel orange

CMYK

000, 052, 100, 000

RGB

255, 099, 054

LAB

+65,00, +42,32, +58,25

HKS K

...

Pantone

1575C

Oracal Orafol

451 – 035

631 – 035

641 – 035

651 – 035

751 – 035

8300 – ...

8500 – ...

870 – ...

RAL 2004

Reinorange/Pure orange

CMYK

000, 070, 100, 000

RGB

242, 059, 028

LAB

+54,90, +52,71, +62,16

HKS K

...

Pantone

158C

Oracal Orafol

451 – ...

631 – 034

641 – 034

651 – 034

751 – 034

8300 – ...

8500 – 034

870 – ...

RAL 2008

Hellrotorange/Bright red orange

CMYK

000, 060, 100, 000

RGB

250, 079, 041

LAB

+61,00, +45,56, +58,31

HKS K

07

Pantone

1585C

Oracal Orafol

451 – ...

631 – 036

641 – 036

651 – 036

751 – ...

8300 – 034

8500 – ...

870 – ...

RAL 2009

Verkehrsorange/Traffic orange

CMYK

005, 070, 100, 000

RGB

235, 059, 028

LAB

+53,00, +50,78, +60,52

HKS K

...

Pantone

1665C

Oracal Orafol

451 – ...

631 – ...

641 – 034

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 2010

Signalorange/Signal orange

CMYK

000, 070, 100, 010

RGB

212, 069, 041

LAB

+54,20, +41,41, +46,15

HKS K

...

Pantone

1595C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 2011

Tieforange/Deep orange

CMYK

000, 055, 100, 000

RGB

237, 092, 041

LAB

+61,00, +39,14, +58,03

HKS K

...

Pantone

716C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – 034

8500 – ...

870 – ...

RAL 2012

Lachsorange/Salmon orange

CMYK

000, 060, 070, 000

RGB

222, 082, 071

LAB

+57,00, +41,76, +32,63

HKS K

...

Pantone

1595C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 3000

Feuerrot/Flame red

CMYK

000, 100, 100, 020

RGB

171, 031, 028

LAB

+38,00, +48,91, +32,99

HKS K

...

Pantone

1805C

Oracal Orafol

451 – 031

631 – 031

641 – 030

651 – 031

751 – 031

8300 – ...

8500 – ...

870 – 031

RAL 3001

Signalrot/Signal red

CMYK

020, 100, 090, 010

RGB

163, 023, 026

LAB

+37,00, +45,90, +26,50

HKS K

...

Pantone

187C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 3002

Karminrot/Carmine red

CMYK

010, 100, 090, 020

RGB

163, 026, 026

LAB

+37,00, +45,90, +26,50

HKS K

16

Pantone

1807C

Oracal Orafol

451 – ...

631 – ...

641 – 031

651 – ...

751 – ...

8300 – 031

8500 – ...

870 – ...

RAL 3003

Rubinrot/Ruby red

CMYK

000, 100, 100, 040

RGB

138, 018, 020

LAB

+30,00, +43,30, +25,00

HKS K

...

Pantone

1815C

Oracal Orafol

451 – 030

631 – 030

641 – 030

651 – 030

751 – 030

8300 – 030

8500 – 030

870 – ...

RAL 3004

Purpurrot/Purple red

CMYK

020, 100, 100, 060

RGB

105, 015, 020

LAB

+28,00, +31,52, +12,74

HKS K

...

Pantone

188C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 3005

Weinrot/Wine red

CMYK

020, 100, 080, 040

RGB

079, 018, 026

LAB

+26,00, +22,55, +08,21

HKS K

...

Pantone

195C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 3007

Schwarzrot/Black red

CMYK

060, 100, 070, 080

RGB

046, 018, 026

LAB

+21,00, +11,48, +03,51

HKS K

...

Pantone

1817C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 3009

Oxidrot/Oxide red

CMYK

005, 090, 100, 080

RGB

094, 033, 033

LAB

+31,00, +22,64, +14,71

HKS K

83

Pantone

483C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – 079

8500 – ...

870 – ...

RAL 3011

Braunrot/Brown red

CMYK

020, 100, 100, 040

RGB

120, 020, 023

LAB

+31,00, +32,97, +16,80

HKS K

...

Pantone

1815C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 3012

Beigerot/Beige red

CMYK

005, 050, 050, 010

RGB

204, 130, 115

LAB

+63,00, +21,21, +21,21

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 3013

Tomatenrot/Tomato red

CMYK

020, 090, 100, 020

RGB

150, 031, 028

LAB

+36,00, +42,28, +28,52

HKS K

16

Pantone

1807C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 3014

Altrosa/Antique pink

CMYK

000, 070, 030, 010

RGB

217, 102, 117

LAB

+59,00, +33,61, +12,90

HKS K

...

Pantone

701C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – 089

8500 – ...

870 – ...

RAL 3015

Hellrosa/Light pink

CMYK

000, 050, 020, 010

RGB

232, 156, 181

LAB

+72,00, +20,61, +04,01

HKS K

...

Pantone

693C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – 085

8500 – ...

870 – ...

RAL 3016

Korallenrot/Cored

CMYK

000, 090, 090, 020

RGB

166, 036, 038

LAB

+42,00, +41,45, +27,96

HKS K

...

Pantone

484C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 3017

Rosé/Rose

CMYK

000, 080, 050, 010

RGB

209, 054, 084

LAB

+52,00, +46,68, +17,92

HKS K

...

Pantone

709C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 3018

Erdbeerrot/Strawberry red

CMYK

005, 090, 070, 005

RGB

207, 041, 066

LAB

+50,00, +51,00, +20,60

HKS K

...

Pantone

710C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 3020

Verkehrsrot/Traffic red

CMYK

000, 100, 100, 010

RGB

199, 023, 018

LAB

+41,00, +56,63, +41,14

HKS K

...

Pantone

711C

Oracal Orafol

451 – 032

631 – 032

641 – 032

651 – 032

751 – 032

8300 – 032

8500 – 032

870 – 032

RAL 3022

Lachsrot/Salmon pink

CMYK

000, 060, 070, 000

RGB

217, 089, 079

LAB

+57,00, +37,54, +28,29

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 3027

Himbeerrot/Raspberry red

CMYK

000, 100, 070, 020

RGB

181, 018, 051

LAB

+41,00, +50,74, +18,47

HKS K

17

Pantone

1945C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 3031

Orientrot/Orient red

CMYK

020, 100, 090, 020

RGB

166, 028, 046

LAB

+41,00, +44,94, +21,92

HKS K

...

Pantone

1805C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 4001

Rotlila/Red lilac

CMYK

060, 070, 005, 010

RGB

130, 064, 128

LAB

+47,00, +18,61, -13,52

HKS K

...

Pantone

5135C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 4002

Rotviolett/Red violet

CMYK

040, 100, 090, 005

RGB

143, 038, 064

LAB

+38,00, +33,38, +06,49

HKS K

...

Pantone

696C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 4003

Erikaviolett/Heather violet

CMYK

010, 070, 010, 000

RGB

201, 056, 140

LAB

+55,00, +43,57, -06,12

HKS K

...

Pantone

674C

Oracal Orafol

451 – ...

631 – 041

641 – 045

651 – ...

751 – 044

8300 – 041

8500 – ...

870 – ...

RAL 4004

Bordeauxviolett / Claret violet

CMYK

060, 100, 050, 020

RGB

092, 008, 043

LAB

+26,30, +31,37, +01,31

HKS K

...

Pantone

222C

Oracal Orafol

451 – ...

631 – ...

641 – 048

651 – ...

751 – 048

8300 – ...

8500 – ...

870 – ...

RAL 4005

Blaulila/Blue lilac

CMYK

060, 100, 005, 010

RGB

099, 061, 156

LAB

+49,00, +16,22, -24,04

HKS K

...

Pantone

667C

Oracal Orafol

451 – ...

631 – 043

641 – 043

651 – 043

751 – 043

8300 – ...

8500 – ...

870 – ...

RAL 4006

Verkehrspurpur/Traffic purple

CMYK

050, 100, 000, 010

RGB

145, 015, 102

LAB

+40,00, +43,23, -15,73

HKS K

...

Pantone

2425C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – 077

8500 – ...

870 – ...

RAL 4007

Purpurviolett / Purple violet

CMYK

070, 100, 020, 060

RGB

056, 010, 046

LAB

+23,00, +17,74, -06,81

HKS K

...

Pantone

262C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – 040

8500 – ...

870 – ...

RAL 4008

Signalviolett/Signal violet

CMYK

060, 090, 000, 010

RGB

125, 031, 122

LAB

+42,00, +31,03, -20,15

HKS K

...

Pantone

259C

Oracal Orafol

451 – ...

631 – 040

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 4009

Pastellviolett/Pastel violet

CMYK

040, 040, 030, 000

RGB

158, 115, 148

LAB

+59,00, +10,52, -03,22

HKS K

...

Pantone

5215C

Oracal Orafol

451 – ...

631 – ...

641 – 042

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 4010

Telemagenta/Telemagenta

CMYK

010, 090, 030, 000

RGB

191, 023, 115

LAB

+45,00, +55,86, -03,91

HKS K

26

Pantone

676C

Oracal Orafol

451 – ...

631 – ...

641 – 041

651 – ...

751 – 077

8300 – 041

8500 – ...

870 – ...

RAL 5000

Violettblau/Violet blue

CMYK

100, 040, 005, 040

RGB

023, 051, 107

LAB

+35,00, -02,30, -21,88

HKS K

...

Pantone

2955C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 5001

Grünblau / Green blue

CMYK

090, 020, 000, 080

RGB

010, 051, 084

LAB

+31,00, -09,64, -19,77

HKS K

...

Pantone

547C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 5002

Ultramarinblau/Ultramarine blue

CMYK

100, 070, 000, 040

RGB

000, 015, 117

LAB

+29,00, +09,92, -39,78

HKS K

...

Pantone

281C

Oracal Orafol

451 – 049

631 – 049/001

641 – 049

651 – 049

751 – 065

8300 – 049

8500 – 049

870 – ...

RAL 5003

Saphirblau/Sapphire blue

CMYK

100, 050, 000, 080

RGB

000, 023, 069

LAB

+24,00, -00,73, -20,99

HKS K

...

Pantone

539C

Oracal Orafol

451 – ...

631 – 050

641 – 050

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 5004

Schwarzblau/Black blue

CMYK

100, 100, 070, 040

RGB

003, 013, 031

LAB

+13,00, +00,00, -07,00

HKS K

...

Pantone

2767C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 5005

Signalblau/Signal blue

CMYK

100, 040, 000, 040

RGB

000, 046, 122

LAB

+34,80, -06,64, -35,48

HKS K

...

Pantone

541C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 5007

Brillantblau/Brillant blue

CMYK

080, 020, 000, 040

RGB

038, 079, 135

LAB

+45,00, -06,62, -23,07

HKS K

...

Pantone

5405C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 5008

Graublau/Grey blue

CMYK

060, 000, 000, 090

RGB

026, 041, 056

LAB

+26,90, -02,79, -07,50

HKS K

...

Pantone

303C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 5009

Azurblau/Azure blue

CMYK

090, 030, 010, 040

RGB

023, 069, 112

LAB

+38,00, -10,80, -20,31

HKS K

...

Pantone

3025C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 5010

Enzianblau/Gentian blue

CMYK

100, 040, 005, 040

RGB

000, 043, 112

LAB

+30,90, -07,51, -33,88

HKS K

...

Pantone

541C

Oracal Orafol

451 – ...

631 – 057

641 – ...

651 – ...

751 – 067

8300 – ...

8500 – ...

870 – ...

RAL 5011

Stahlblau/Steel blue

CMYK

100, 060, 010, 080

RGB

003, 020, 046

LAB

+21,00, -01,53, -10,89

HKS K

...

Pantone

2767C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 5012

Lichtblau/Light blue

CMYK

090, 030, 010, 010

RGB

041, 115, 184

LAB

+54,00, -15,21, -32,63

HKS K

...

Pantone

542C

Oracal Orafol

451 – ...

631 – 052

641 – 053

651 – ...

751 – ...

8300 – 096

8500 – ...

870 – ...

RAL 5013

Kobaltblau/Cobalt blue

CMYK

100, 060, 000, 060

RGB

000, 018, 069

LAB

+22,00, +02,30, -21,88

HKS K

41

Pantone

289C

Oracal Orafol

451 – 050

631 – 050

641 – 050

651 – 050

751 – 050

8300 – ...

8500 – 050

870 – ...

RAL 5014

Taubenblau/Pigeon blue

CMYK

050, 020, 000, 040

RGB

077, 105, 153

LAB

+52,00, -02,95, -16,74

HKS K

...

Pantone

646C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 5015

Himmelblau/Sky blue

CMYK

100, 030, 000, 010

RGB

023, 097, 171

LAB

+49,60, -13,63, -35,69

HKS K

40

Pantone

3015C

Oracal Orafol

451 – ...

631 – 052

641 – 052

651 – 052

751 – 052

8300 – 052

8500 – 052

870 – ...

RAL 5017

Verkehrsblau/Traffic blue

CMYK

100, 020, 005, 040

RGB

000, 059, 128

LAB

+36,90, -12,85, -34,91

HKS K

...

Pantone

541C

Oracal Orafol

451 – 051/052/057

631 – 057

641 – 051

651 – 057

751 – 057

8300 – 051

8500 – 051

870 – 057

RAL 5018

Türkisblau/Turquoise blue

CMYK

090, 010, 040, 010

RGB

056, 148, 130

LAB

+53,00, -29,48, -09,58

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – 066

641 – 054

651 – 066

751 – 066

8300 – ...

8500 – ...

870 – ...

RAL 5019

Capriblau/Capri blue

CMYK

100, 050, 020, 010

RGB

010, 066, 120

LAB

+37,00, -11,95, -29,14

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – 056

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 5020

Ozeanblau/Ocean blue

CMYK

100, 000, 040, 080

RGB

005, 051, 051

LAB

+24,40, -17,98, -14,98

HKS K

...

Pantone

316C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 5021

Wasserblau / Water blue

CMYK

100, 020, 050, 010

RGB

026, 122, 099

LAB

+45,40, -31,35, -10,61

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – 066

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 5022

Nachtblau/Night blue

CMYK

100, 100, 040, 040

RGB

000, 008, 079

LAB

+24,10, +08,89, -25,39

HKS K

...

Pantone

2768C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – 065

870 – ...

RAL 5023

Fernblau/Distant blue

CMYK

080, 040, 010, 020

RGB

046, 082, 143

LAB

+46,00, -03,60, -22,72

HKS K

...

Pantone

646C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 5024

Pastellblau/Pastel blue

CMYK

070, 020, 010, 020

RGB

087, 140, 181

LAB

+60,00, -10,18, -18,37

HKS K

...

Pantone

645C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6000

Patinagrün/Patina green

CMYK

080, 020, 060, 020

RGB

051, 120, 084

LAB

+47,00, -22,50, +04,78

HKS K

...

Pantone

568C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6001

Smaragdgrün/Emerald green

CMYK

090, 030, 090, 010

RGB

038, 102, 041

LAB

+42,00, -26,35, +19,86

HKS K

...

Pantone

364C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6002

Laubgrün/Leaf green

CMYK

090, 040, 090, 010

RGB

038, 087, 033

LAB

+35,00, -24,52, +22,08

HKS K

58

Pantone

357C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – 078

8300 – ...

8500 – ...

870 – ...

RAL 6003

Olivgrün/Olive green

CMYK

080, 050, 080, 020

RGB

061, 069, 046

LAB

+36,00, -05,08, +11,97

HKS K

...

Pantone

5743C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6004

Blaugrün/Blue green

CMYK

100, 050, 060, 040

RGB

013, 059, 046

LAB

+28,00, -17,47, -04,35

HKS K

...

Pantone

3302C

Oracal Orafol

451 – ...

631 – ...

641 – 064

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6005

Moosgrün/Moss green

CMYK

100, 060, 090, 020

RGB

010, 056, 031

LAB

+25,70, -19,35, +03,69

HKS K

...

Pantone

3435C

Oracal Orafol

451 – 060

631 – 060

641 – 060

651 – 060

751 – 060

8300 – 060

8500 – 060

870 – ...

RAL 6006

Grauliv / Grey olive

CMYK

090, 080, 090, 020

RGB

041, 043, 036

LAB

+26,00, -01,65, +05,77

HKS K

...

Pantone

448C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6007

Flaschengrün/Bottle green

CMYK

080, 050, 080, 060

RGB

028, 038, 023

LAB

+22,00, -06,16, +07,88

HKS K

...

Pantone

5605C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6008

Braungrün/Brown green

CMYK

070, 050, 070, 080

RGB

033, 033, 026

LAB

+18,00, -01,15, +10,94

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6009

Tannengrün/Fir green

CMYK

090, 050, 090, 060

RGB

023, 041, 028

LAB

+24,00, -07,31, +03,25

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – 031

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6010

Grasgrün/Grass green

CMYK

070, 010, 080, 040

RGB

054, 105, 038

LAB

+43,00, -23,42, +26,01

HKS K

...

Pantone

364C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6011

Resedagrün/Reseda green

CMYK

070, 030, 070, 005

RGB

094, 125, 079

LAB

+51,00, -12,31, +15,76

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6012

Schwarzgrün/Black green

CMYK

100, 080, 100, 020

RGB

031, 046, 043

LAB

+27,00, -05,97, -00,63

HKS K

...

Pantone

627C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6013

Schilfgrün/Reed green

CMYK

040, 020, 060, 040

RGB

117, 115, 079

LAB

+50,00, -02,23, +15,84

HKS K

...

Pantone

5763C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6014

Gelboliv/Yellow olive

CMYK

080, 050, 090, 060

RGB

051, 048, 038

LAB

+30,00, +00,37, +06,99

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6015

Schwarzoliv/Black olive

CMYK

080, 060, 070, 040

RGB

041, 043, 038

LAB

+29,00, -02,00, +03,46

HKS K

...

Pantone

5605C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6016

Türkisgrün/Turquoise green

CMYK

100, 030, 080, 000

RGB

015, 112, 051

LAB

+40,00, -36,75, +06,94

HKS K

...

Pantone

336C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – 607

8300 – 097

8500 – ...

870 – ...

RAL 6017

Maigrün/May green

CMYK

080, 020, 100, 010

RGB

064, 130, 054

LAB

+51,00, -24,93, +28,68

HKS K

...

Pantone

363C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – 068

8500 – ...

870 – ...

RAL 6018

Gelbgrün/Yellow green

CMYK

070, 000, 090, 000

RGB

079, 168, 051

LAB

+59,00, -34,77, +40,00

HKS K

60/64

Pantone

362C

Oracal Orafol

451 – 064

631 – 064

641 – 064

651 – 064

751 – 064

8300 – 068

8500 – ...

870 – ...

RAL 6019

Weißgrün/Pastel green

CMYK

035, 000, 040, 000

RGB

191, 227, 186

LAB

+80,00, -12,96, +13,90

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6020

Chromoxidgrün/Chrome green

CMYK

090, 060, 080, 020

RGB

038, 056, 041

LAB

+30,00, -07,22, +08,30

HKS K

...

Pantone

5605C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6021

Blaßgrün/Pale green

CMYK

050, 010, 050, 010

RGB

133, 166, 122

LAB

+62,00, -11,70, +14,97

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6022

Braunoliv/Olive drab

CMYK

090, 080, 100, 020

RGB

043, 038, 028

LAB

+26,00, +00,49, +06,98

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6024

Verkehrsgrün/Traffic green

CMYK

090, 010, 080, 010

RGB

036, 145, 064

LAB

+48,60, -45,77, +18,31

HKS K

57

Pantone

356C

Oracal Orafol

451 – ...

631 – 061

641 – 062

651 – ...

751 – ...

8300 – 061

8500 – ...

870 – ...

RAL 6025

Farngrün/Fern green

CMYK

080, 030, 090, 010

RGB

074, 110, 051

LAB

+45,00, -13,91, +23,14

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6026

Opalgrün/Opal green

CMYK

100, 030, 070, 040

RGB

010, 092, 051

LAB

+34,60, -36,70, +00,13

HKS K

56

Pantone

3292C

Oracal Orafol

451 – ...

631 – 060

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6027

Lichtgrün/Light green

CMYK

060, 000, 030, 000

RGB

125, 204, 189

LAB

+72,00, -20,46, -04,72

HKS K

...

Pantone

563C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6028

Kieferngrün/Pine green

CMYK

100, 060, 100, 000

RGB

038, 074, 051

LAB

+35,00, -15,30, +04,68

HKS K

...

Pantone

3302C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...



RAL 6029

Minzgrün/Mint green

CMYK

100, 020, 100, 005

RGB

018, 120, 038

LAB

+42,00, -43,88, +16,84

HKS K

...

Pantone

3425C

Oracal Orafol

451 – 061

631 – 061

641 – 061

651 – 061

751 – 061

8300 – 061

8500 – 061

870 – ...



RAL 6032

Signalgrün/Signal green

CMYK

090, 010, 080, 000

RGB

041, 138, 064

LAB

+46,40, -41,20, +18,09

HKS K

57

Pantone

356C

Oracal Orafol

451 – ...

631 – ...

641 – 061

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6033

Minttürkis/Mint turquoise

CMYK

080, 020, 050, 000

RGB

066, 140, 120

LAB

+53,00, -21,79, -03,06

HKS K

...

Pantone

562C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 6034

Pastelltürkis/Pastel turquoise

CMYK

060, 010, 040, 000

RGB

125, 189, 181

LAB

+68,00, -15,97, -05,81

HKS K

...

Pantone

5483C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7000

Fehgrau/Squirrel grey

CMYK

050, 010, 005, 040

RGB

115, 133, 145

LAB

+57,00, -03,36, -04,97

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – 071

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7001

Silbergrau/Silver grey

CMYK

010, 000, 000, 040

RGB

135, 148, 166

LAB

+62,00, -02,42, -04,37

HKS K

...

Pantone

430C

Oracal Orafol

451 – ...

631 – ...

641 – 074

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7002

Olivgrau/Olive grey

CMYK

030, 030, 050, 040

RGB

122, 117, 097

LAB

+53,00, -00,19, +11,00

HKS K

...

Pantone

5763C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7003

Moosgrau/Moss grey

CMYK

030, 020, 040, 040

RGB

112, 112, 097

LAB

+51,00, -01,22, +06,89

HKS K

96

Pantone

417C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – 074

8500 – ...

870 – ...

RAL 7004

Signalgrau/Signal grey

CMYK

000, 000, 000, 045

RGB

156, 156, 166

LAB

+65,00, +00,07, -01,00

HKS K

...

Pantone

423C

Oracal Orafol

451 – ...

631 – ...

641 – 074

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7005

Mausgrau/Mouse grey

CMYK

030, 010, 020, 060

RGB

097, 105, 105

LAB

+48,00, -01,89, +00,65

HKS K

...

Pantone

...

Oracal Orafol

451 – 071

631 – 071

641 – 071

651 – 071

751 – 071

8300 – ...

8500 – ...

870 – ...

RAL 7006

Beigegrau/Beige grey

CMYK

000, 010, 030, 060

RGB

107, 097, 087

LAB

+47,00, +02,07, +07,73

HKS K

...

Pantone

Warm Grey 11C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7008

Khakigrau/Khaki grey

CMYK

030, 040, 070, 040

RGB

105, 084, 056

LAB

+44,00, +03,65, +20,68

HKS K

...

Pantone

133C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7009

Grüngrau / Green grey

CMYK

020, 050, 040, 080

RGB

077, 082, 074

LAB

+39,00, -02,87, +04,10

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – 073

8500 – ...

870 – ...

RAL 7010

Zeltgrau/Tarpaulin grey

CMYK

020, 005, 030, 080

RGB

074, 079, 074

LAB

+40,00, -02,30, +01,93

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7011

Eisengrau/Iron grey

CMYK

040, 010, 020, 080

RGB

064, 074, 084

LAB

+39,00, -02,18, -03,35

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – 073

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7012

Basaltgrau/Basalt grey

CMYK

020, 000, 010, 080

RGB

074, 084, 089

LAB

+41,00, -02,23, -02,01

HKS K

...

Pantone

446C

Oracal Orafol

451 – ...

631 – ...

641 – 073

651 – ...

751 – 713

8300 – ...

8500 – ...

870 – ...

RAL 7013

Braungrau/Brown grey

CMYK

010, 010, 040, 080

RGB

071, 066, 056

LAB

+36,00, +00,49, +06,98

HKS K

...

Pantone

411C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – 073

8500 – ...

870 – ...

RAL 7015

Schiefergrau/Slate grey

CMYK

040, 010, 010, 080

RGB

061, 066, 082

LAB

+37,00, -00,49, -03,97

HKS K

93

Pantone

432C

Oracal Orafol

451 – ...

631 – ...

641 – 073

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7016

Anthrazitgrau / Anthracite grey

CMYK

060, 030, 030, 080

RGB

038, 046, 056

LAB

+31,00, -01,88, -03,53

HKS K

...

Pantone

437C

Oracal Orafol

451 – ...

631 – ...

641 – 073

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7021

Schwarzgrau/Black grey

CMYK

050, 010, 005, 095

RGB

026, 033, 041

LAB

+24,00, -01,32, -02,70

HKS K

...

Pantone

433C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7022

Umbragrau/Umbra grey

CMYK

030, 020, 040, 080

RGB

061, 061, 059

LAB

+34,00, -00,26, +02,99

HKS K

97

Pantone

447C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7023

Betongrau/Concrete grey

CMYK

040, 020, 040, 040

RGB

122, 125, 117

LAB

+54,00, -01,79, +04,67

HKS K

95

Pantone

416C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7024

Graphitgrau/Graphite grey

CMYK

080, 060, 050, 040

RGB

048, 056, 069

LAB

+33,20, -00,36, -03,98

HKS K

93

Pantone

432C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7026

Granitgrau/Granite grey

CMYK

060, 020, 030, 080

RGB

038, 051, 056

LAB

+30,00, -03,83, -03,21

HKS K

97

Pantone

447C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7030

Steingrau/Stone grey

CMYK

020, 010, 020, 040

RGB

145, 143, 135

LAB

+60,00, -00,44, +04,98

HKS K

...

Pantone

403C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – 074

8500 – ...

870 – ...

RAL 7031

Blaugrau/Blue grey

CMYK

060, 030, 030, 040

RGB

077, 092, 107

LAB

+46,00, -03,53, -04,85

HKS K

92

Pantone

431C

Oracal Orafol

451 – ...

631 – ...

641 – 071

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7032

Kieselgrau/Pebble grey

CMYK

000, 000, 020, 040

RGB

189, 186, 171

LAB

+73,00, -00,97, +07,94

HKS K

...

Pantone

415C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7033

Zementgrau/Cement grey

CMYK

030, 010, 030, 040

RGB

122, 130, 117

LAB

+55,00, -03,88, +07,00

HKS K

...

Pantone

5625C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7034

Gelbgrau/Yellow grey

CMYK

005, 005, 040, 040

RGB

143, 135, 112

LAB

+58,00, -00,23, +13,00

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7035

Lichtgrau/Light grey

CMYK

005, 000, 005, 020

RGB

212, 217, 219

LAB

+81,00, -01,87, +00,72

HKS K

...

Pantone

5655C

Oracal Orafol

451 – 072

631 – 072

641 – 072

651 – 072

751 – 072

8300 – ...

8500 – ...

870 – ...

RAL 7036

Platingrau/Platinum grey

CMYK

010, 010, 010, 040

RGB

158, 150, 156

LAB

+62,00, +00,91, +00,42

HKS K

...

Pantone

402C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7037

Staubgrau/Dusty grey

CMYK

030, 020, 020, 040

RGB

122, 125, 128

LAB

+54,00, -01,00, -00,03

HKS K

92

Pantone

431C

Oracal Orafol

451 – ...

631 – ...

641 – 071

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7038

Achatgrau/Agate grey

CMYK

030, 010, 020, 020

RGB

186, 189, 186

LAB

+73,00, -01,55, +02,57

HKS K

...

Pantone

414C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7039

Quarzgrau/Quartz grey

CMYK

050, 040, 050, 040

RGB

097, 094, 089

LAB

+44,00, +00,07, +04,00

HKS K

...

Pantone

405C/430C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7040

Fenstergrau/Window grey

CMYK

020, 005, 010, 040

RGB

158, 163, 176

LAB

+65,80, -01,38, -03,21

HKS K

...

Pantone

429C

Oracal Orafol

451 – ...

631 – ...

641 – 072

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7042

Verkehrsgrau A/Traffic grey A

CMYK

030, 010, 020, 040

RGB

143, 150, 153

LAB

+62,00, -01,90, -00,62

HKS K

...

Pantone

430C

Oracal Orafol

451 – ...

631 – 054/074

641 – 074

651 – 074

751 – 074

8300 – 074

8500 – ...

870 – ...

RAL 7043

Verkehrsgrau B/Traffic grey B

CMYK

030, 010, 020, 080

RGB

064, 069, 069

LAB

+36,00, -02,00, -00,03

HKS K

97

Pantone

447C

Oracal Orafol

451 – 073

631 – 073

641 – 073

651 – 073

751 – 073

8300 – ...

8500 – ...

870 – ...

RAL 7044

Seidengrau/Silk grey

CMYK

000, 000, 015, 030

RGB

194, 191, 184

LAB

+74,00, -00,17, +05,00

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7045

Telegrau 1/Telegrey 1

CMYK

020, 010, 010, 040

RGB

143, 148, 158

LAB

+61,00, -01,63, -02,52

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – 076

8300 – ...

8500 – ...

870 – 076

RAL 7046

Telegrau 2/Telegrey 2

CMYK

030, 010, 010, 040

RGB

120, 130, 140

LAB

+56,00, -01,88, -03,53

HKS K

92

Pantone

431C

Oracal Orafol

451 – ...

631 – ...

641 – 071

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 7047

Telegrau 4/Telegrey 4

CMYK

000, 000, 005, 020

RGB

217, 214, 219

LAB

+81,00, +00,00, +00,00

HKS K

...

Pantone

413C

Oracal Orafol

451 – ...

631 – 074

641 – 072

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 8000

Grünbraun/Green brown

CMYK

050, 050, 080, 010

RGB

125, 092, 056

LAB

+48,00, +06,77, +27,17

HKS K

...

Pantone

415C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 8001

Ockerbraun/Ochre brown

CMYK

040, 060, 090, 010

RGB

145, 082, 046

LAB

+49,00, +17,53, +35,95

HKS K

...

Pantone

1395C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 8002

Signalbraun/Signal brown

CMYK

060, 080, 080, 010

RGB

110, 059, 048

LAB

+39,00, +15,83, +15,28

HKS K

78

Pantone

168C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 8003

Lehmbraun/Clay brown

CMYK

050, 070, 080, 010

RGB

115, 059, 036

LAB

+41,00, +16,78, +24,87

HKS K

...

Pantone

463C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 8004

Kupferbraun/Copper brown

CMYK

040, 080, 080, 010

RGB

133, 056, 043

LAB

+41,00, +25,18, +24,31

HKS K

...

Pantone

1685C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – 079

8500 – ...

870 – ...

RAL 8007

Rehbraun/Fawn brown

CMYK

060, 070, 080, 020

RGB

094, 051, 031

LAB

+36,00, +13,98, +20,73

HKS K

...

Pantone

732C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 8008

Olivbraun/Olive brown

CMYK

050, 060, 070, 020

RGB

099, 061, 036

LAB

+37,00, +11,84, +24,27

HKS K

...

Pantone

463C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 8011

Nußbraun/Nut brown

CMYK

010, 060, 100, 080

RGB

071, 038, 028

LAB

+27,00, +13,54, +17,34

HKS K

...

Pantone

4625C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 8012

Rotbraun/Red brown

CMYK

005, 100, 100, 080

RGB

084, 031, 031

LAB

+27,00, +21,84, +15,87

HKS K

83

Pantone

483C

Oracal Orafol

451 – ...

631 – ...

641 – 079

651 – ...

751 – 079

8300 – ...

8500 – ...

870 – ...

RAL 8014

Sepiabraun/Sepia brown

CMYK

030, 060, 100, 080

RGB

056, 038, 028

LAB

+25,00, +06,30, +11,37

HKS K

...

Pantone

1545C

Oracal Orafol

451 – ...

631 – ...

641 – 080

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 8015

Kastanienbraun/Chestnut brown

CMYK

000, 090, 100, 080

RGB

077, 031, 028

LAB

+30,00, +16,77, +10,89

HKS K

...

Pantone

4695C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 8016

Mahagonibraun/Mahogany brown

CMYK

040, 080, 080, 080

RGB

061, 031, 028

LAB

+25,00, +12,26, +10,28

HKS K

...

Pantone

4625C

Oracal Orafol

451 – ...

631 – 080

641 – 080

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 8017

Schokoladenbraun/Chocolate brown

CMYK

060, 080, 080, 080

RGB

046, 028, 028

LAB

+22,00, +08,43, +07,07

HKS K

...

Pantone

497C

Oracal Orafol

451 – ...

631 – 080

641 – ...

651 – 080

751 – 080

8300 – ...

8500 – ...

870 – ...

RAL 8019

Graubraun/Grey brown

CMYK

090, 090, 080, 080

RGB

043, 038, 041

LAB

+29,00, +02,70, +01,32

HKS K

...

Pantone

440C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 8022

Schwarzbraun/Black brown

CMYK

100, 100, 080, 095

RGB

013, 008, 013

LAB

+10,50, +01,96, +01,20

HKS K

88

Pantone

Process BlackC

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 8023

Orangebraun/Orange brown

CMYK

020, 070, 100, 020

RGB

156, 069, 041

LAB

+48,00, +25,88, +34,34

HKS K

...

Pantone

1605C

Oracal Orafol

451 – ...

631 – 083

641 – 083

651 – 083

751 – 083

8300 – ...

8500 – ...

870 – ...

RAL 8024

Beigebraun/Beige brown

CMYK

030, 060, 070, 040

RGB

110, 064, 048

LAB

+40,00, +12,86, +19,07

HKS K

77

Pantone

469C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 8025

Blaßbraun/Pale brown

CMYK

040, 050, 060, 040

RGB

102, 074, 061

LAB

+43,00, +08,39, +12,44

HKS K

...

Pantone

462C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 8028

Terrabraun/Terra brown

CMYK

020, 050, 070, 080

RGB

064, 046, 033

LAB

+29,00, +06,70, +11,14

HKS K

...

Pantone

497C

Oracal Orafol

451 – ...

631 – ...

641 – 080

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 9001

Cremeweiß/Cream

CMYK

000, 000, 010, 005

RGB

255, 252, 240

LAB

+90,00, +00,61, +06,97

HKS K

...

Pantone

427C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 9002

Grauweiß/Grey white

CMYK

005, 000, 010, 010

RGB

240, 237, 230

LAB

+85,00, -00,97, +03,88

HKS K

...

Pantone

5665C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 9003

Signalweiß/Signal white

CMYK

000, 000, 000, 000

RGB

255, 255, 255

LAB

+94,00, -00,95, +00,31

HKS K

...

Pantone

WhiteC

Oracal Orafol

451 – 010

631 – ...

641 – 010

651 – 010

751 – 010

8300 – ...

8500 – 010

870 – 010

RAL 9004

Signalschwarz/Signal black

CMYK

100, 090, 100, 080

RGB

005, 007, 005

LAB

+01,60, -00,90, +00,90

HKS K

...

Pantone

Black 6C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 9005

Tiefschwarz/Jet black

CMYK

100, 100, 100, 095

RGB

003, 005, 010

LAB

+04,70, -00,29, -00,53

HKS K

88

Pantone

Process BlackC

Oracal Orafol

451 – 070

631 – 070

641 – 070

651 – 070

751 – 070

8300 – ...

8500 – 070

870 – 070

kolor metaliczny/metallic color

RAL 9006

Weißaluminium/White aluminium

CMYK

000, 000, 000, 040

RGB

166, 171, 181

LAB

+77,00, +00,00, -05,00

HKS K

...

Pantone

Cool Grey 6C

Oracal Orafol

451 – 090

631 – 090

641 – 090

651 – 090

751 – 090

8300 – ...

8500 – ...

870 – 010

kolor metaliczny/metallic color

RAL 9007

Graualuminium/Grey aluminium

CMYK

000, 000, 000, 060

RGB

125, 122, 120

LAB

+61,00, +00,71, +00,71

HKS K

...

Pantone

Cool Grey 8C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 9010

Reinweiß/Pure white

CMYK

000, 000, 005, 000

RGB

250, 255, 255

LAB

+94,00, -00,49, +03,97

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – 010/055

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 9011

Graphitschwarz/Graphite black

CMYK

100, 100, 100, 080

RGB

013, 018, 026

LAB

+16,00, -00,17, -00,98

HKS K

...

Pantone

Black 6C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 9016

Verkehrsweiß/Traffic white

CMYK

003, 000, 000, 000

RGB

252, 255, 255

LAB

+93,00, -00,72, +01,87

HKS K

...

Pantone

...

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 9017

Verkehrsschwarz/Traffic black

CMYK

100, 090, 100, 095

RGB

020, 023, 028

LAB

+05,00, +00,00, +00,00

HKS K

...

Pantone

Black 6C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

RAL 9018

Papyrusweiß/Papyrus white

CMYK

010, 000, 010, 020

RGB

219, 227, 222

LAB

+81,00, -02,33, +01,89

HKS K

...

Pantone

5655C

Oracal Orafol

451 – ...

631 – ...

641 – ...

651 – ...

751 – ...

8300 – ...

8500 – ...

870 – ...

kolor perłowy/pearl color

RAL 1035
Perlbeige

kolor perłowy/pearl color

RAL 1036
Perlgold

kolor perłowy/pearl color

RAL 2013
Perlorange

kolor perłowy/pearl color

RAL 3032
Perlrobinrot

kolor perłowy/pearl color

RAL 3033

Perlrosa

kolor perłowy/pearl color

RAL 4011

Perlviolett

kolor perłowy/pearl color

RAL 4012

Perlbrombeer

kolor perłowy/pearl color

RAL 5025

Perlenzian

kolor perłowy/pearl color

RAL 5026

Perlnachtblau

kolor perłowy/pearl color

RAL 6035

Perlgrün

kolor perłowy/pearl color

RAL 6036

Perlopalgrün

kolor perłowy/pearl color

RAL 7048

Perlmausgrau

kolor perłowy/pearl color

RAL 8029

Perlkupfer

kolor perłowy/pearl color

RAL 9022

Perlhellgrau

kolor perłowy/pearl color

RAL 9023

Perldunkelgrau

kolor jaskrawy/glaring color

RAL 1026

Leuchtgelb

kolor jaskrawy/glaring color

RAL 2005
Leuchtorange

kolor jaskrawy/glaring color

RAL 2007
Leuchthellorange

kolor jaskrawy/glaring color

RAL 3024
Leuchtrot

kolor jaskrawy/glaring color

RAL 3026
Leuchthellrot



www.jursz.com



henryk@jursz.com

© 2004 **Henryk Jursz**. Wszelkie prawa zastrzeżone.
Produkt nie może być dekompiłowany lub deasembrowany.
Produkt może być dowolnie rozpowszechniany tylko, gdy nie
będzie modyfikowany oraz gdy zachowana zostanie oryginalna
zawartość archiwum. Nie wolno pobierać opłat
za udostępnianie produktu (za wyjątkiem opłat koniecznych
do pokrycia kosztów nośnika i opakowania).
Wszystkie nazwy i znaki firmowe użyte w tym dokumencie
należą wyłącznie do ich właścicieli i zostały użyte w celach
identyfikacyjnych.

© 2004 **Henryk Jursz**. All rights reserved.
The product may not be reverse engineer, decompile
or disassemble. The product may be freely distributed provided
that it is not modified and the original archive remains in tact
with all accompanying files, and provided that no fee is charged
(except for any reasonable fees necessary to cover costs
of distribution media).
All names used in this document may be registered trademarks
or trademarks of their respective holders and have been used
only for identification purpose.