



Colour chart



“We shape our buildings,
and afterwards our buildings shape us”

Winston Churchill

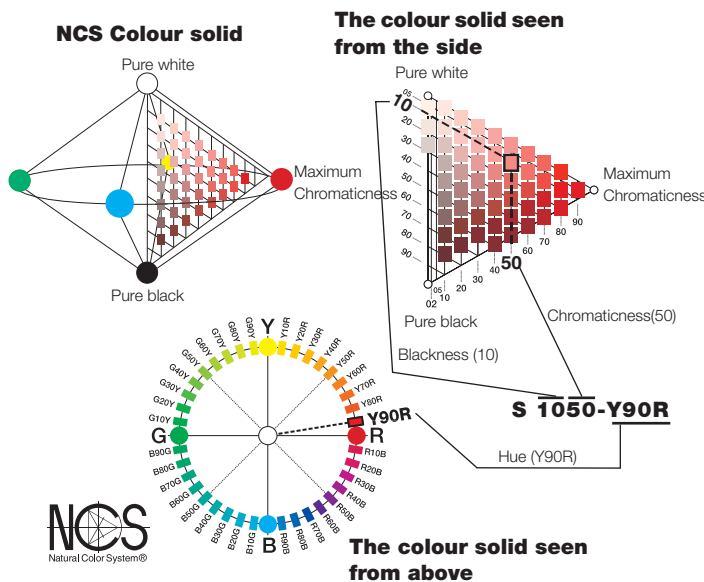


Information about NCS and RAL

NCS Edition 2 (S)

NCS Edition 2 is always presented with an S in front of the notation. The S means second edition. NCS (Natural Colour System) is a system with the help of which all conceivable surface colour can be described. The system is illustrated by a colour atlas containing 1950 colour samples. NCS is a Swedish, Norwegian, Spanish and South African standard and is one of the most widely used colour-describing systems in the world.

The variables in the NCS notation are built entirely on visually observable properties of the colours. NCS can also be illustrated graphically in a geometrical model as shown below.



NCS Edition 1

All colour samples based on NCS edition 2 have an S in front of the NCS notation (S stands for Second edition). The older Edition 1 did not include the S. Otherwise the notation system have exactly the same function in NCS Edition 1 as in NCS Edition 2. The colour samples are not exactly the same between NCS Edition 1 and 2. In Edition 1 there was 1535 different standard colours.

RAL

The RAL colours are a semiofficial German collection of 210 different colour samples (K7), which are used primarily as colour standards in the German industry. The RAL colours are available in a colour register with matt gloss or glossy colour samples and in small overview colour cards. The RAL colours are a number of non-systematically chosen colour samples which are divided into nine colour groups: yellow, orange, red, violet, blue, green, grey, brown and white/aluminium/black. In the four-digit RAL notation, the first digit indicates to which of the nine colour groups the colour belongs. The remaining digits are merely a serial number, which indicates nothing but about the appearance of the colour.

In the notation for a red colour S 1050-Y90R the first two digits indicate the percentage of visual blackness in the colour. The next two digits indicate the colour's visual chromaticness. They can together be maximum 100%. In the example 1050 is the rest 40% pure white. The letter-number combination after the hyphen indicates the colour's hue, i.e. which chromatic attributes are included and the proportion between these. In this case, it is a yellow hue with 90% redness. The blackness and chromaticness are given in an equilateral triangle and the hue on a circle. A point in the triangle and a line on the circumference of the circle provide an unequivocal description of a colour. The red colour S 1050-Y90R is marked in the triangle and in the circle above.

NCS exact value

Any surface can be measured and the exact NCS colour notation can be calculated for the surface. This value can then look like this: 1342-B27G. There are no standard sample available for this notation but normally a producer also gives the closest NCS standard notation (in edition 1 or 2).

Lindab recommends

When matching colours with other painted surfaces

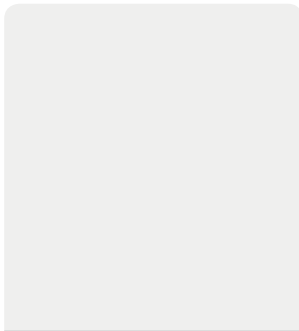
One should define the colour based upon these alternatives:

1. Piece of sheet metal from actual delivery.
2. Sample of sheet metal from Lindab.
3. Nearest NCS. This can however result in some degree of deviation compared with the actual delivery.

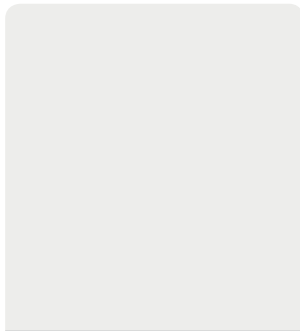
Make a test by painting a small surface to see if the colour matching is acceptable.

The influence of gloss

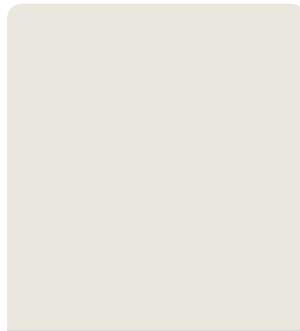
Differences in gloss between two different painted surfaces affects the perception of the likeness of the surfaces. Gloss values for our colours is found at the bottom of the page with the overview chart.



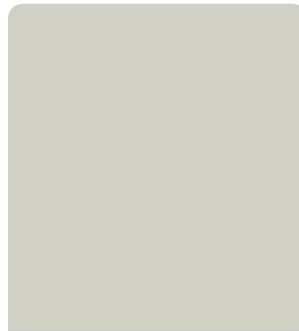
010 Chalk white
 Nearest NCS S 0502-G
 Nearest RAL 9010



001 Antique white
 Nearest NCS S 1002-G50Y
 Nearest RAL 9002



078 Interior white
 Nearest NCS S 1502-Y
 Nearest RAL 9002



022 Light grey
 Nearest NCS S 2005-G60Y
 Nearest RAL 7044



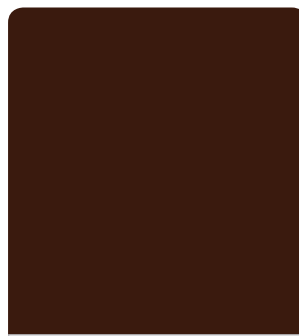
113 Beige
 Nearest NCS S 1010-Y30R
 Nearest RAL 1015



189 Yellow
 Nearest NCS 1040-Y20R
 Nearest RAL 1017




152 Mustard yellow
 Nearest NCS S 2040-Y10R
 Nearest RAL 1002




434 Brown
 Nearest NCS S 8005-Y80R
 Nearest RAL 8017




412 Fire red
 Nearest NCS S 2070-Y90R
 Nearest RAL 3000



754 Red
 Nearest NCS S 4050-Y90R
 Nearest RAL 3011




742 Tile red
 Nearest NCS S 4040-Y80R
 Nearest RAL 8004



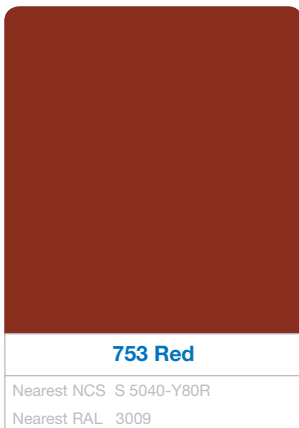
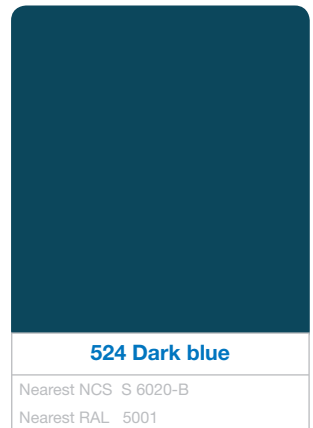
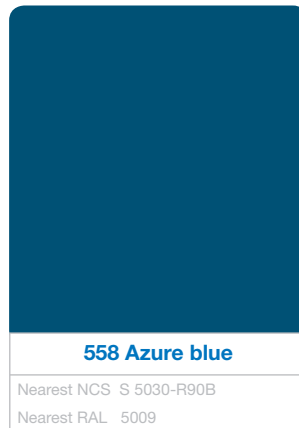
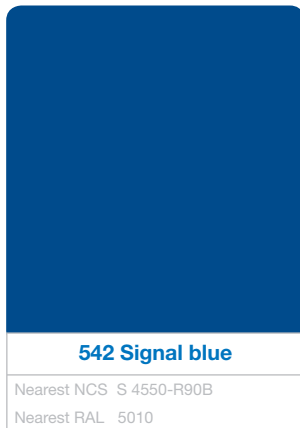
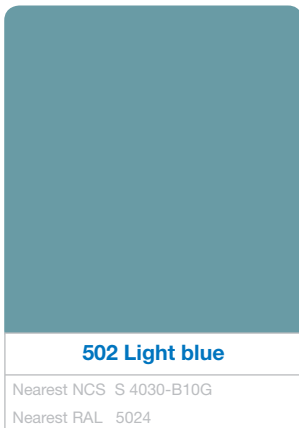
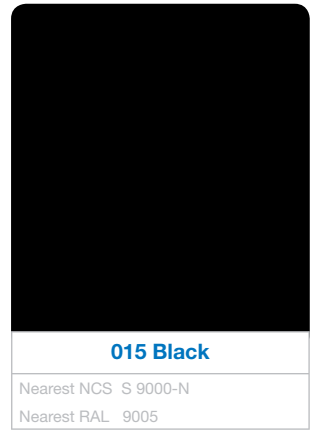
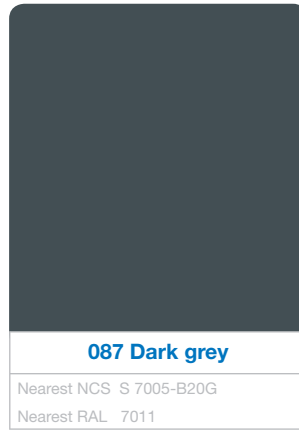
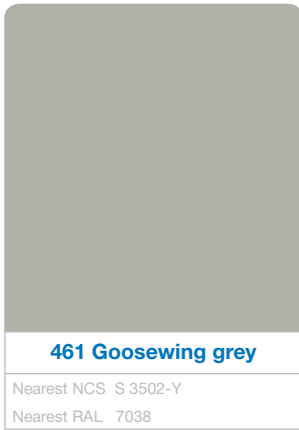
758 Dark red
 Nearest NCS S 5040-Y80R
 Nearest RAL 3009



975 Verdigris
 Nearest NCS S 3020-G10Y
 Nearest RAL 6021



874 Forrest green
 Nearest NCS S 6020-G30Y
 Nearest RAL 6003



Due to printing limitations is the colours shown in this brochure not exact. Please ask for steel sheet samples for correct colours.

Assortment chart

Number	Name	Nearest NCS	Nearest RAL	Rainline	Topline (0,5), Coverline			Standing seam roofing
					PE	HBP	MPE	
001	Antique white	S 1002-G50Y	9002	●		0,5/0,6		HBP
010	Chalk white	S 0502-G	9010		0,4/0,5/0,6			
015	Black	S 9000-N	9005	●	0,4/0,5/ 0,6/0,7/0,8	0,5/0,6/0,7	0,5	HBP
022	Light grey	S 2005-G60Y	7044		0,4/0,5	0,6		HBP
044	Anthracite metallic	S 6000-N	7037					HBP
045	Silver metallic	-	9006	●	0,5/0,6	0,5/0,6		HBP
078	Interior white	S 1502-Y	9002		0,7/ 0,8/1,0/1,2			
087	Dark grey	S 7005-B20G	7011	●	0,4/0,5/0,6	0,5/0,6		HBP
113	Beige	S 1010-Y30R	1015		0,4/0,5			
152	Mustard yellow	S 2040-Y10R	1002		0,5			
189	Yellow	S 1040-Y20R	1017			0,6		HBP
244	Zinc grey	S 3502-B	7040			0,6		HBP
412	Fire red	S 2070-Y90R	3000		0,5			
434	Brown	S 8005-Y80R	8017	●	0,4/0,5	0,5/0,6		HBP
461	Goosewing grey	S 3502-Y	7038			0,6		HBP
502	Light blue	S 4030-B10G	5024		0,5	0,6		HBP
524	Dark blue	S 6020-B	5001		0,5			
542	Signal blue	S 4550-R90B	5010		0,5			
558	Azure blue	S 5030-R90B	5009			0,6		HBP
742	Tile red	S 4040-Y80R	8004	●	0,5	0,5/0,6	0,5	HBP
753	Red	S 5040-Y80R	3009	●		0,5/0,6		
754	Red	S 4050-Y90R	3011		0,4/0,5/0,6			
758	Dark red	S 5040-Y80R	3009			0,5/0,6		HBP
778	Copper metallic	S 4030-Y60R	8003	●		0,5		HBP
874	Forest green	S 6020-G30Y	6003		0,4/0,5	0,6		HBP
975	Verdigris	S 3020-G10Y	6021			0,5/0,6		HBP

PE = (Polyester) Gloss: 30 ±5

HBP = (High Build Polyester) Glans: 40 ±5

MPE = (Matt Polyester) Glans: 5 ±3

For Topline and Coverline, the thickness of the steel is specified in mm.

Lindab is an international corporation that develops, manufactures and markets solutions in metal plate for the building industry.

Lindab's two business areas - Ventilation and Profile - offer everything from complete indoor climate solutions and building systems to individual ventilation and building components for all types of housing, commercial and industrial buildings.

The Lindab Group is represented in 25 countries and has annual sales of more than SEK 6 billion. The Group's head office is located in Grevie, in southernmost Sweden.

