

Properties and Advantages of IMCOZIN KX dyes

Complete range of
IMCOZIN KX dyes

Highest colour yield
and efficiency

Economical dyeing of
the deepest shades

High compatibility in
exhaust dyeing

Good all-round fastness
properties

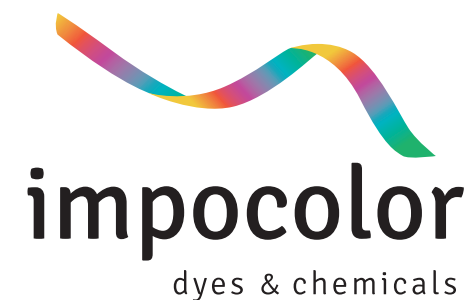
REACH and Oeko-Tex
Standard 100 compliance

Made in Germany

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impocolor
dyes & chemicals

IMCOZIN KX
High-concentration reactive dyes
(special series)

This is our new and special series of quality reactive dyes with utmost concentration and conform to our customers' specific needs and the demanding requirements of the market.

All dyeings illustrated in this shade card were dyed according following conditions:

Material:

100% cotton, knit wear, scoured at the boil & bleached

Dyeing Method:

Exhaust dyeing (60 °C)

Dyeing Recipe:

1 % / 3 %	IMCOZIN KX dye (pre-solved)
0.5 ml/l	Wetanol OS (wetting agent)
0.5 ml/l	Komplexon OSD liq. (sequestering agent)
60 / 80 g/l	Glauber's salt
5 g/l	soda ash *
0.5 / 2 ml/l	caustic soda 32,5% *

* dosed addition of alkali 15 min. after reaching of dyeing temperature.

Liquor Ratio: 1 : 15

Dyeing Temp.: 60 °C

Dyeing Time: 60 min

Subsequent cleaning:

- cold and warm rinsing
- washing out at the boil for 20 minutes with 1 – 2 ml/l Komplexon OSD liq.
- warm and cold rinsing

IMCOZIN

1%

3%



Brillant Yellow KX-GL



Yellow KX-3R



Red KX-BF



Brillant Blue KX-R



Turquoise KX-G



Blue KX-NR



Navy Blue KX-2G

solubility (up to) ... [g/l]	Dyeing temperature (exhaust dyeing)	Light fastness (ISO)	Washing fastness (ISO, 60 °C)	Washing fastness (ISO, 95 °C)	Perspiration fastness alkaline (ISO)	Perspiration fastness acid (ISO)	Fastness to chlorinate water (ISO)	Dischargeability
		1%	F Co Wo	F Co CV	F Co Wo	F Co Wo	F Co	
120	60 - 80 °C	5	4 - 5 4 4	4 4 4	4 - 5 4 - 5 4 - 5	4 - 5 4 - 5 4 - 5	3 - 4 4	+
100	60 - 70 °C	5	4 - 5 4 4	4 - 5 3 - 4 4	5 4 - 5 5	5 4 - 5 4 - 5	3 4	o
130	60 - 70 °C	4 - 5	4 - 5 4 4	4 - 5 4 4	4 - 5 4 - 5 4 - 5	4 - 5 4 - 5 4 - 5	3 - 4 3 - 4	-
100	40 - 60 °C	5 - 6	4 - 5 4 4	4 - 5 3 3 - 4	4 4 4 - 5	4 4 - 5 4 - 5	3 - 4 4	-
180	60 - 80 °C	5	4 3 - 4 4	3 - 4 4 3 - 4	4 - 5 4 - 5 4 - 5	4 4 - 5 5	3 4	-
130	60 - 70 °C	4 - 5	4 - 5 4 4 - 5	4 - 5 3 - 4 4	4 4 - 5 4 - 5	4 4 - 5 4	3 - 4 4	-
100	60 - 70 °C	4	4 - 5 4 - 5 4	4 - 5 4 4	4 4 - 5 4 - 5	4 - 5 4 - 5 4 - 5	1 - 2 4	o

Abbreviations to the fastness tables:

F	change of shade	+	good dischargeability
Co	staining on cotton	O	moderate dischargeability
Wo	staining on wool	-	poor dischargeability
CV	staining on viscose		

Additional information:

The presented colour-fastness data are based on our current knowledge and are corresponding to a defined standard depth of 2 % each (except for light fastness data, which is based on 1 %).