



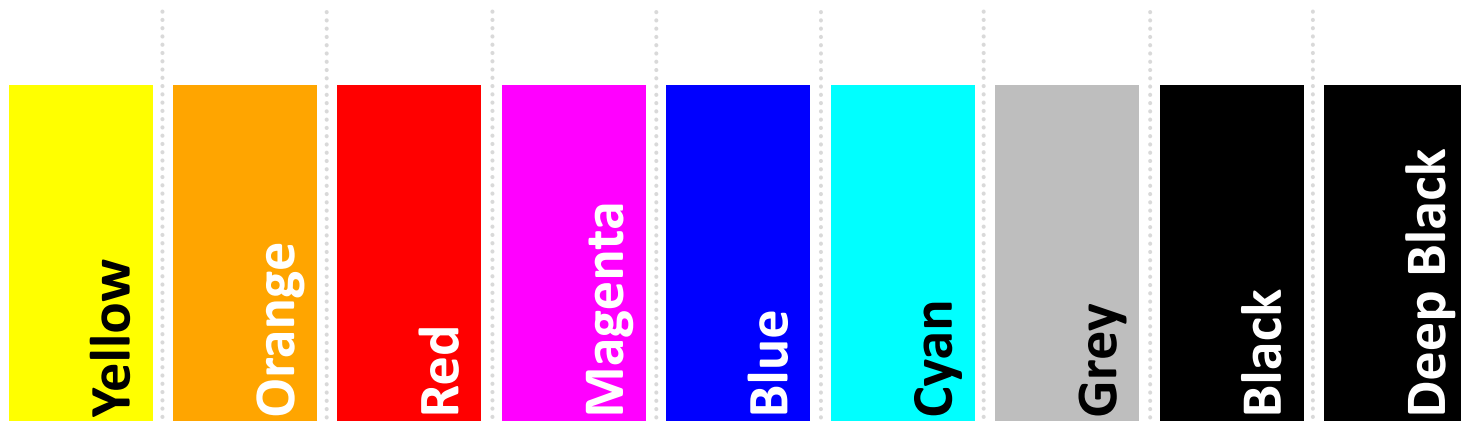
COLARIS.INK FASTNESS PROPERTIES

REACTIVE, ACIDS AND DISPERSE INKS
FOR RELIABLE DIGITAL TEXTILE PRINTING



COLARIS Reactive

On Cotton, Viscose, Silk and blends with e. g. Elastane

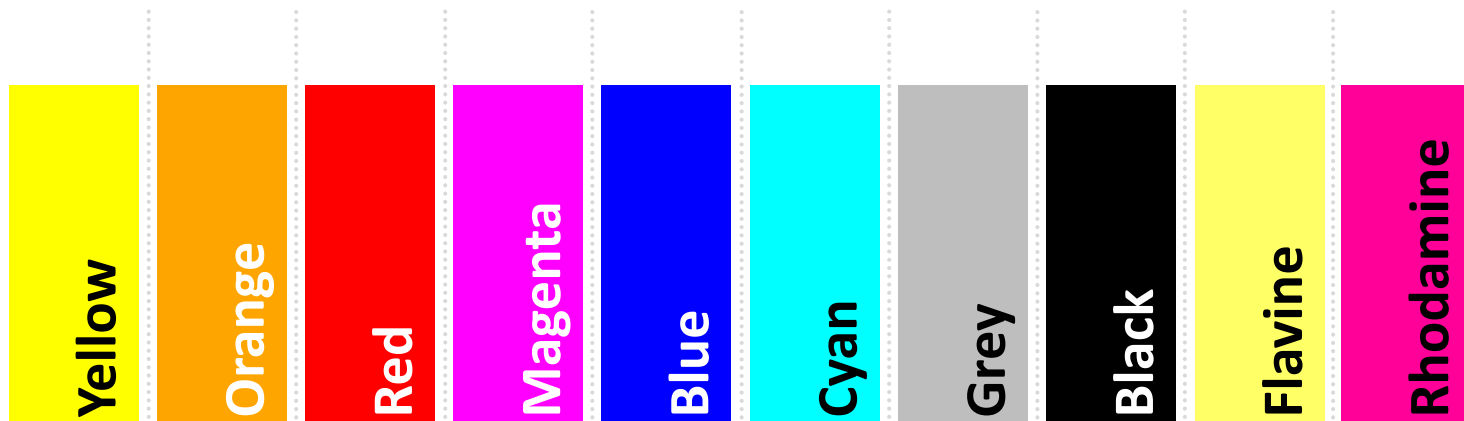


Colaris R		Yellow	Orange	Red	Magenta	Blue	Cyan	Grey	Black	Deep Black
Fastness to light, Xenon arc ISO 105-B02		6-7	5	4-5	4	6	5-6	4-5	4-5	4-5
Fastness to washing 60°C ISO 105-C06-C2S	F	5	5	5	5	5	4	4-5	4-5	4-5
	CO	5	4-5	4-5	4-5	5	4-5	5	5	5
	CV	5	5	5	5	5	5	5	5	5
Fastness to water (Severe) ISO 105-E01	F	5	5	5	4-5	5	5	4-5	5	5
	CO	5	5	5	4-5	5	4-5	4-5	5	5
	WO	5	5	5	4-5	5	4	4-5	5	5
Fastness to perspiration (Alkaline) ISO 105-E04	F	5	5	4-5	4-5	5	4-5	4-5	5	5
	CO	5	4-5	4	4	4-5	3	4-5	4	4
	WO	5	5	4-5	4-5	4-5	4	4-5	5	5
Fastness to perspiration (Acid) ISO 105-E04	F	5	5	4-5	5	5	4-5	5	5	5
	CO	5	4-5	4	4	4-5	3-4	4-5	4	4
	WO	4-5	4-5	4-5	4-5	4-5	4	4-5	4	4

Please note, that fastness data depend on the textile fabric and can therefore slightly differ to given data.

COLARIS Acid

On Polyamide, Silk and Wool

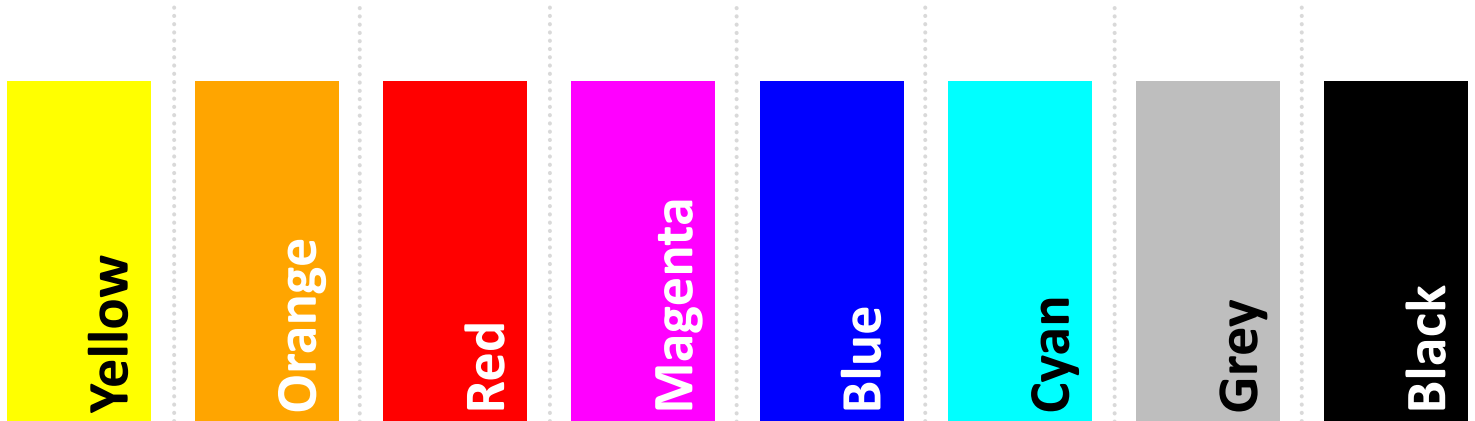


Colaris A		Yellow	Orange	Red	Magenta	Blue	Cyan	Grey	Black	Flavine	Rhoda- mine
Fastness to light, Xenon arc ISO 105-B02		6-7	4-5	4	3-4	5-6	3-4	5-6	6-7	2	2
Fastness to washing, 50°C ISO 105-C06-C2S	F	5	5	4-5	4-5	4-5	4	4-5	4-5	4	4
	PA	5	5	4	5	5	5	5	4	5	5
	CO	4-5	5	3-4	5	4-5	3-4	4-5	4-5	5	5
Fastness to water, (Severe) ISO 105-E01	F	5	5	5	5	5	4	5	5	5	5
	PA	5	5	4-5	4-5	4	4-5	5	4-5	3-4	3-4
	CO	5	5	4-5	4-5	4	4-5	5	5	4	4
Fastness to perspiration, (Alkaline) ISO 105-E04	F	4-5	4-5	4-5	5	4-5	3-4	5	5	5	4
	PA	4-5	4-5	3-4	3-4	3-4	4	4-5	4-5	3	4
	CO	4-5	4	3-4	3	2-3	4	4-5	4-5	3	3-4
Fastness to perspiration, (Acid) ISO 105-E04	F	5	5	4-5	4-5	4-5	4	5	5	5	4
	PA	5	5	4-5	4	3-4	4-5	5	4-5	3-4	4
	CO	5	5	4-5	3-4	4	4-5	5	4-5	4	3-4
Fastness to chlorinated water, 50 mg/l	F	4	4-5	4-5	4-5	3	3-4Y	3-4	4	2	2B

Please note, that fastness data depend on the textile fabric and can therefore slightly differ to given data.

COLARIS Disperse

On Polyester



Colaris D		Yellow	Orange	Red	Magenta	Blue	Cyan	Grey	Black
Fastness to light, Xenon arc ISO 105-B02	100 %	7	>7	5-6	6-7	6	>7	5-6	6
	25 %	7	>7	5	7	6	>7	5	5-6
Fastness to weathering, Xenon arc (300 h) ISO 105-B04	100 %	7	7	4-5	6	5	6	4	5
	25 %	6-7	7	5	6	5	6	3-4	4
Fastness to sublimation, 180°C / 30 s, ISO 105-P01	100%	4-5	4	5	4-5	4-5	3-4	4-5	4
Wash fastness, (60°C) ISO 105-C06-C2S	F	5	5	5	5	5	5	5	5
	PES	5	4-5	4-5	4	4-5	4-5	3-4	3-4
Fastness to perspiration, Acid	F	5	5	5	5	5	5	5	5
	PES	5	5	4	5	5	5	5	5
Fastness to perspiration, Alkaline	F	5	5	5	5	5	5	5	5
	PES	5	5	4	5	5	4-5	5	5
Fastness to rubbing, ISO 105-X12	DRY	4-5	5	5	5	4-5	4-5	4-5	4-5
	WET	4-5	5	5	5	4-5	4-5	5	5

Please note, that fastness data depend on the textile fabric and can therefore slightly differ to given data.

COLARIS INKS



- Available for all kinds of textile substrates
- Developed by ZIMMER AUSTRIA in close cooperation with famous dyestuff manufactures
- Recommended inks ensure excellent fastness properties and Oeko-Tex® Standard 100
- Open Ink system
any ink approved by ZIMMER AUSTRIA can be used

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carpet & textile printing systems*



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