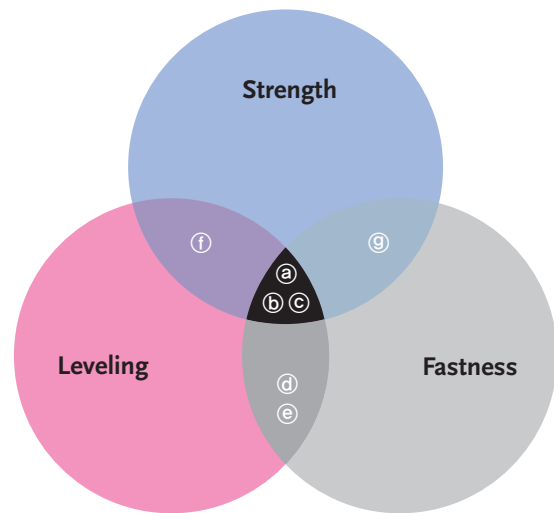
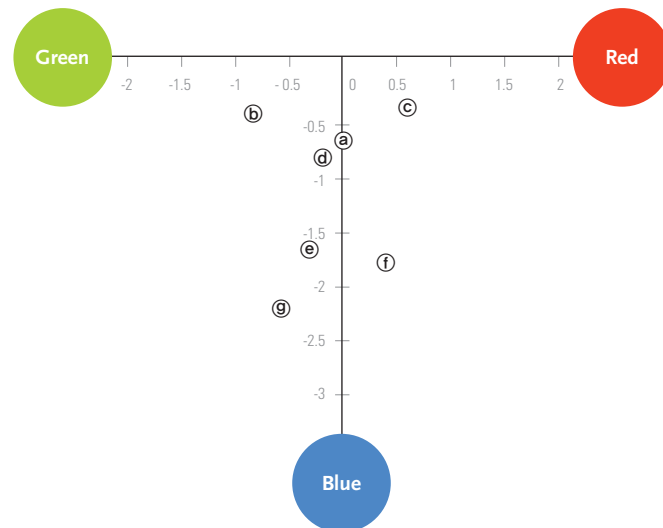


Synozol Black Dyes

Performance



Colour Gamut



- Ⓐ Synozol Ultra Black DR
- Ⓑ Synozol Ultra Black G
- Ⓒ Synozol Ultra Black R
- Ⓓ Synozol Black E-R 150%
- Ⓔ Synozol Black SHF-RW 150%
- Ⓛ Synozol Black HF-GRP EX
- Ⓜ Synozol Black HF-GR 130%

Synozol Ultra Black DR

ULTIMATE REACTIVE DYESTUFF FOR DEEP BLACK SHADES FOR WIDE APPLICATION

SYNOZOL ULTRA BLACK DR IS A VERY DEEP BLACK DYE PROVIDES FOR HIGH PRODUCTIVITY AND GOOD OVERALL WET FASTNESS.



KYUNG-IN SYNTHETIC CORPORATION



The Ecological and Toxicological Association
of Dyes and Organic Pigments Manufacturers

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KYUNG-IN SYNTHETIC CORPORATION

Synozol Ultra Black DR

Wide Application range

Exhaust dyeing

Continuous dyeing

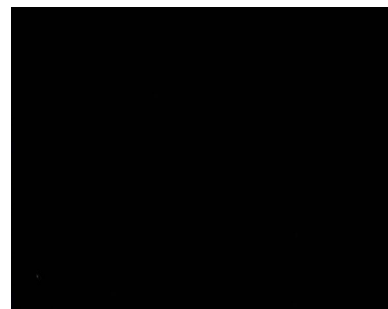
Printing

Features

1. Excellent build-up property
2. Excellent washing-off: giving a benefit to reduce waste water and energy
3. Good overall fastness: can meet the fastness requirement of leading garment retailers.

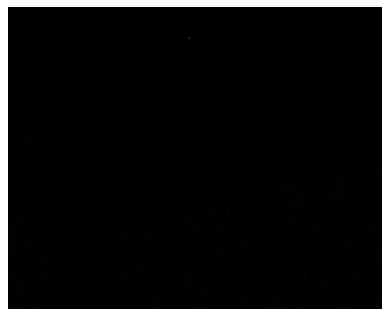
Various processes

Exhaust dyeing



6.0% o.w.f

Cold Pad Batch



60g/l

Discharge printing
after Cold Pad Batch



Neutral

on 100% Cotton

Suitability

Ultra Black DR

	Exhaust dyeing		+++
	Continuous dyeing	Cold Pad Batch	+++
		PDPS	+++
+++ : suitable	Printing	Direct	+++
++ : suitable with limits		Discharge	++
+ : unsuitable	Cotton		+++
	Viscose Rayon		+++
	PES/CO		+++
	PA/CO		++

Regenerated Cellulosic fiber application

on Cotton



on Modal

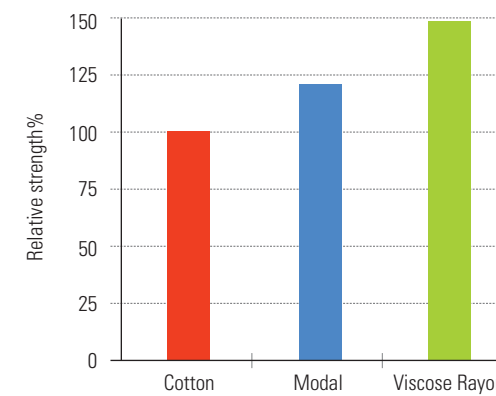


on Viscose Rayon

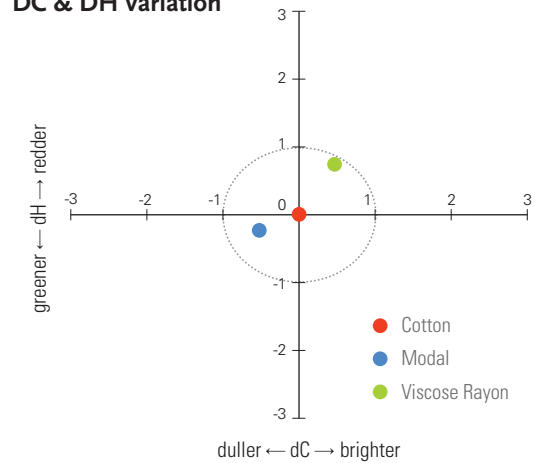


6.0% o.w.f

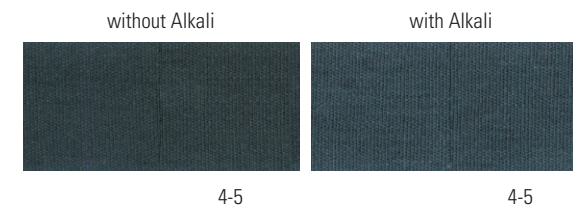
Strength variation



DC & DH variation

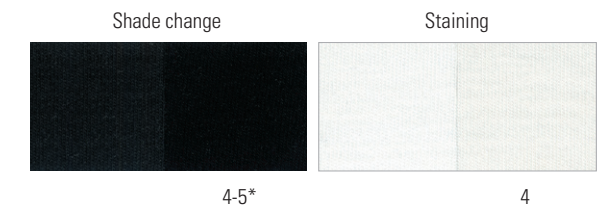


Migration



6.0% o.w.f, L.R 1:20, Salt: 50g/l, Soda ash: 20g/l, 60°C isothermal

Post mercerizing



6.0% o.w.f

Fastness

Fastness		Exhaust 6.0% o.w.f	C.P.B 60g/l	Test method
Light		4-5	4-5	ISO 105-B02
Chlorinated water	20ppm	4-5	4-5	ISO 105-E03
Oxidative Bleach damage		4-5	4-5	M&S C10A
Rubbing	Dry	4-5	4-5	ISO 105-X12
	Wet	2-3	3	
Washing	C.C	4-5	4-5	ISO 105-C06 C25
	CO	4-5	5	
Water	C.C	4-5	4-5	ISO 105-E01
	CO	4-5	5	