



KONGKIA T[®]
FANCY & MELANGE YARN

ZERO

RW

100% cotton

*Invisible Effect Yarn
Prepared for Dyeing*

How "Zero RW" works..

Zero yarn concept :

"Zero yarn" is one of the innovative products in textile industry which created by "Kongkiat Textile company". The yarn itself does not have the dye color on it ; however, the color effect will show only on fabric after performing the "piece dyeing" process or even the garment dyeing process.

"Zero yarn" is knitted or weaved and transformed to be the fabric without color at all. Then the fabric is run through the dyeing process as the fabric form at the dye house. During the piece dyeing process, the dye stuff is absorbed to the particular parts of fabric which is the main property of "Zero yarn". At the end of the dyeing process, you will get the fabric with the two-shade colors (one is lighter and one is darker) on it by dyeing as the regular dyeing process for cotton at the dye house*.

Zero yarn properties :

"Zero yarn" is 100% cotton so you can target the cotton market which is the biggest share on the textile market. With our process to produce the "Zero yarn" , it means that you can reduce the effect to the environment comparing to the regular package dyeing process. Moreover, there is no toxic to the end users. It works just like the regular cotton fabric but it has the color effect after dyeing process.

Value stream of benefits using "Zero yarn" :

- As the manufacturers, "Zero yarn" works just like the raw white cotton yarn so that you can use in knitting , woven or sweater. Then proceed the piece-dye process at the dye house but still getting the unique coloring effect on the fabric after all.
- As the traders or importers, you can now order "Zero yarn" in large quantity then proceeding through the dyeing process with any color trend. As the result, the over all lead time of the products can be reduced significantly.
- As marketers, you can promote it as the "INNOVATIVE" ,or "ECO FRIENDLY" product as it is really reduce the cost on environment comparing to the regular yarn dyeing process.
- As designers, you can create the new fashion design by using our concept and color effect on knitted fabric , woven fabric or even sweater. It just like the break through concept products that can really be produced to the mass market.

Swatch sample

Customer can request swatch sample from Kongkiat for the better look and feel on “ZERO RW” fabric.



KONGKIAT®
TOP-DYED MELANGE YARN
FOR KNITTING & WEAVING

OFFICE : 259/1 Moo 6, Soi Ratburana 44, Ratburana Road, Bangkok 10140, Thailand.

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FACTORY : 19/9 Moo 3, Thumbol Bua-Loy, Amphur Nong-Kae, Saraburi 18230, Thailand.

Tel : (6636) 379498, 389568-70 Fax : (6636) 379281

E-mail : sales@melangeyarn.com

URL : <http://www.melangeyarn.com>

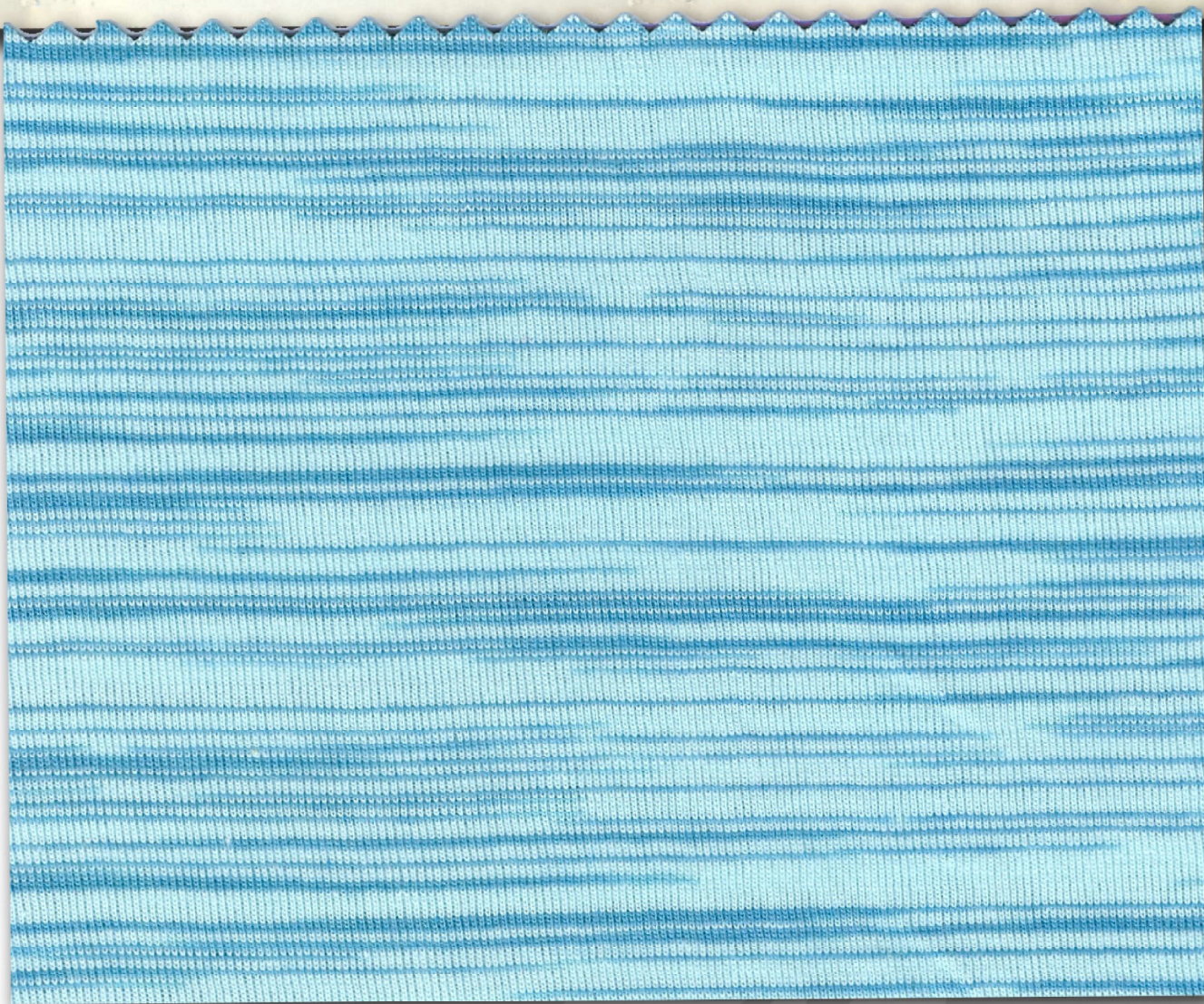
32/1 ZERO004RW (KK-1103)

CODE : _____ LOT NO. _____

WEIGHT FABRIC 150 g / m²

WIDTH : 72 INCHES

COMPOSITION 100% Cotton



32/1 ZERO004RW
Raw white before Over dyed

over dyed on “ZERO RW”

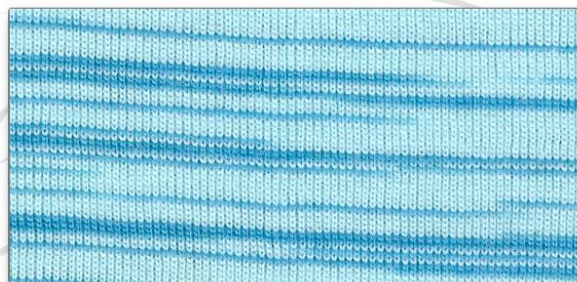
COTTON 100%



ZERO-004RW (Raw white before dyed)



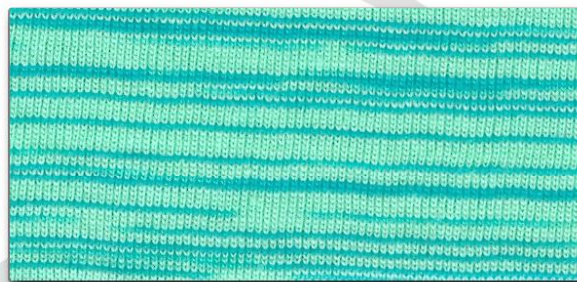
ZERO-004RW +color :KK-1123



ZERO-004RW +color :KK-1104



ZERO-004RW +color :KK-1103



ZERO -004RW +color :KK-1129



ZERO -004RW +color :KK-1126



ZERO-004RW +color :KK1109

All Sample Products in this catalog are NE32/1

over dyed on “ZERO RW”

COTTON 100%



ZERO-004RW (Raw white before dyed)



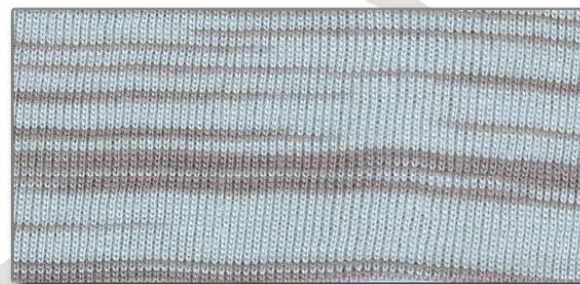
ZERO-004RW +color :KK-1081



ZERO-004RW +color :KK-1082



ZERO-004RW +color :KK-1102



ZERO-004RW +color :KK-1119



ZERO-004RW +color :KK1127



ZERO-004RW +color :KK1124

All Sample Products in this catalog are NE32/1

over dyed on “ZERO RW”

COTTON 100%



ZERO-004RW (Raw white before dyed)



ZERO-004RW +color :KK-1118



ZERO-004RW +color :KK-1107



ZERO-004RW +color :KK-1108



ZERO-004RW +color :KK-1106



ZERO-004RW +color :KK1116



ZERO-004RW +color :KK1079

All Sample Products in this catalog are NE32/1

Adjustable “Zero RW” effect

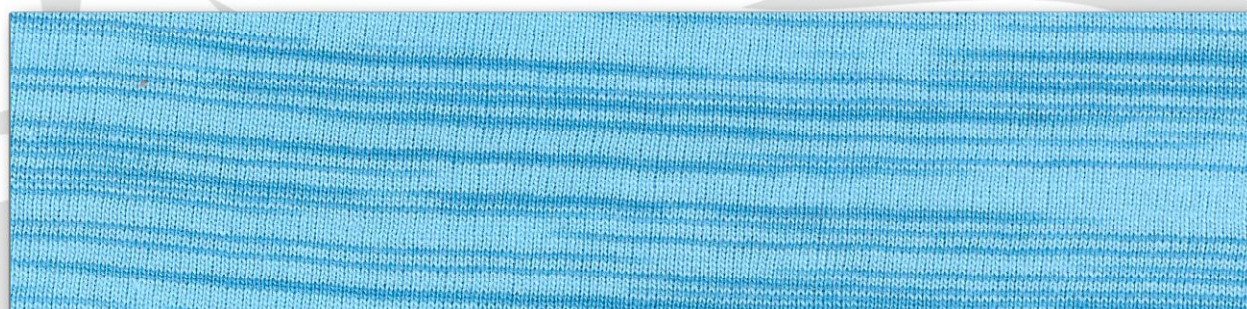
The effect of “Zero yarn” can be adjustable in different length.
Yarn count may change the length of the effect as well.



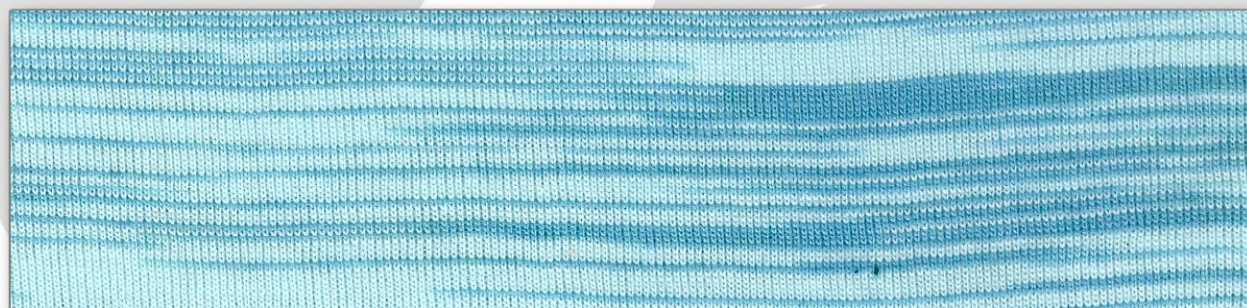
ZERO-001RW + color : KK-1104



ZERO-002RW + color : KK-1104



ZERO-003RW + color : K K-1104



ZERO-004RW + color : KK-1104

Recommended piece dyeing process and chemical guide

A.) For the lighter to medium shade, you may use the "SCOURING" or "SOAPING" pretreatment before dyeing ;however, the scouring may slightly reduce the color effect on fabric.

"SCOURING" PRETREATMENT :

Scouring Agent 1-2 g/l

Chelating Agent 1 g/l

NaOH (50%) 3.5 g/l (at 98 'c ,Holding time 45 minutes)

After "PRETREATMENT" , you can dye the fabric as the regular process then proceed to the "FINISHING" process

OR B.) For the lighter shade, the "BLEACHING" pretreatment can be applied; however, the color effect may be reduced during the bleaching process.

"BLEACHING" PRETREATMENT :

Scouring Agent 1-2 g/l

Chelating Agent 1 g/l

Stabilizer 0.5 - 1 g/l

NaOH (50%) 3 g/l

H₂O₂ (Hydrogen concentration peroxide (50%) 5 g/l (at 98'c,Holding time 45 minutes)

After "PRETREATMENT" , you can dye the fabric as the regular process then proceed to the "FINISHING" process.

OR C.) For the lighter shade, the "BLEACHING O.B.A" pretreatment can be applied; however, the color effect may be reduced during the bleaching process.

"BLEACHING AND O.B.A" PRETREATMENT :

Scouring Agent 1-2 g/l

Chelating Agent 1 g/l

Stabilizer 0.5 - 1 g/l

NaOH (50%) 3 g/l

H₂O₂ (Hydrogen concentration peroxide (50%) 5 g/l and O.B.A

(OPTICAL BRIGHTENING AGENT) DEPEND ON CUSTOMER'S ORIGINAL COLOR

IMPORTANT NOTE :

The color effect after dyeing might not contrast if the dye stuff exceeds 3% for dyeing on "Zero yarn".We strongly suggest that the dye house should test dyeing "Zero yarn" with their chemicals as the lab scale before dyeing in production every batch. The salesman sample order is also recommended.

Remark : recommend to dye on light shade rather than dark shade which over 2% of the dyeing formula

Zeriv

RW

Effect on yarn, dye on piece.

100% cotton



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FANCY & MELANGE YARN

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