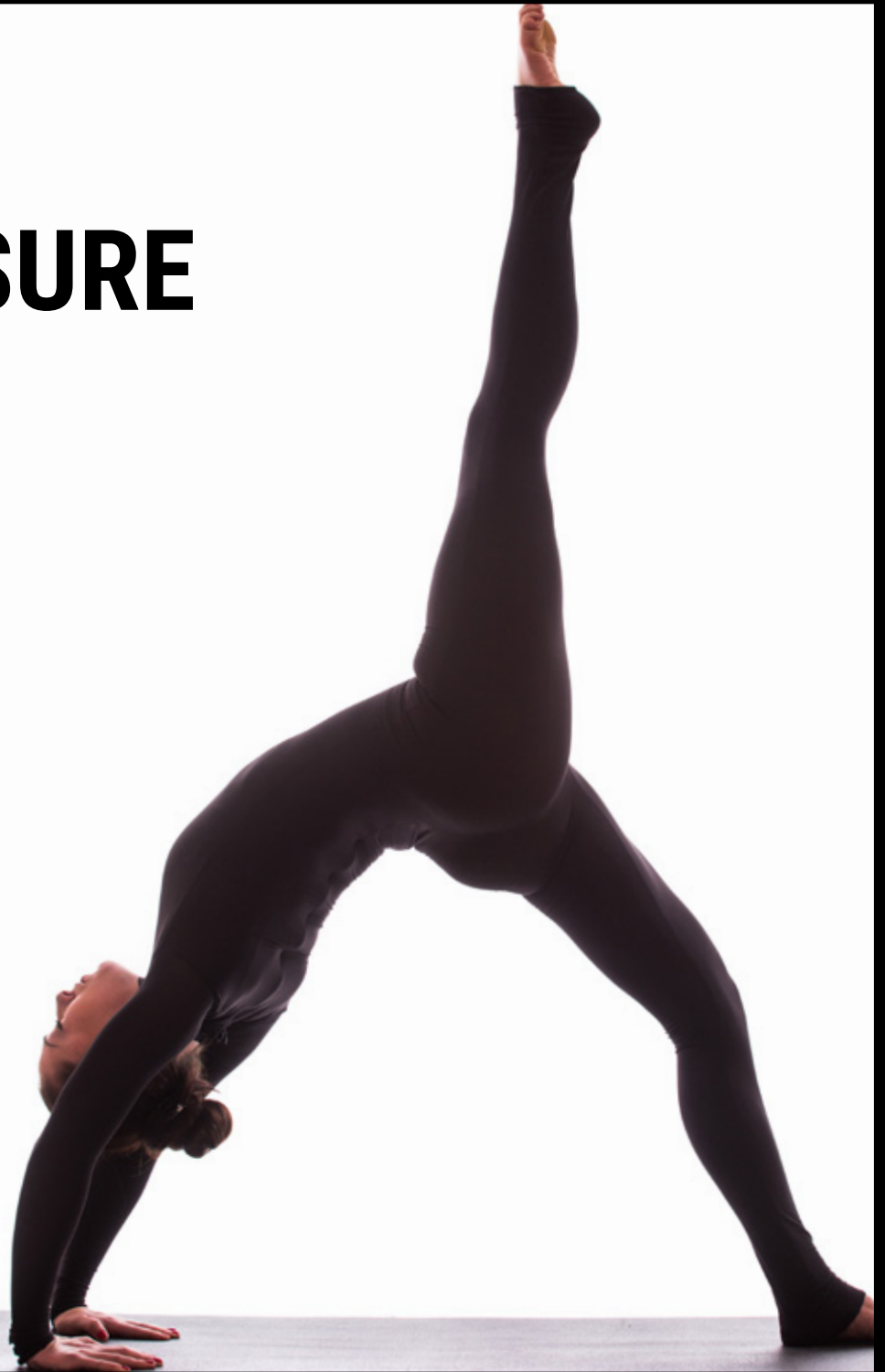


# ATHLEISURE

## Polyester Spandex

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YOGA PANTS  
LEGGINGS  
GYM WEAR  
CASUAL WEAR



YOGA PANTS  
LEGGINGS  
GYM WEAR  
CASUAL WEAR

## ATHLETIC LEISURE

"Athleisure" is a fashion segment that is a combination of athletic and leisure wear. It includes garments such as yoga and pilates leggings, hoodies and cardigans.

Athleisure is widely used for sports, casual and work wear. The popularity of this segment has increased due to the growth of working from home during COVID-19.

Athleisure is casual, comfortable clothing that is designed to be suitable for both exercise and everyday wear.

Natural & Quick Dry  
**cotna**  
Polyester

**cotna** is a cotton-like polyester yarn with the touch of a natural fiber and easy care function. It preserves the touch and absorption of a natural fiber while improving shape stability, pilling and moisture management.



Natural and comfortable touch



Quick absorption and fast drying

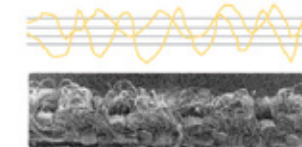
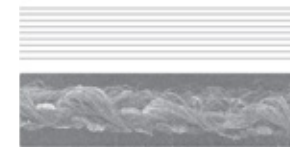


Great pill resistance



Recycled cotton-like-regen cotna

### Fundamental of cotna touch



— Soft touch and low shrinkage segment  
— High shrinkage segment

### Absorption, Diffusion, Evaporation System

Fabric  
Absorption  
Skin



Evaporation  
Sweat

**creora**  
PowerFit

### High-power performance with Function

**creora®** is a spandex with high power and excellent heat resistance. It maintains its fabric power and will even set at high temperatures and during re-dyeing. In particular, this enables deeper colors and better fastness when colored with disperse dyes.



Active Stretch



Superior Shaping



Compression

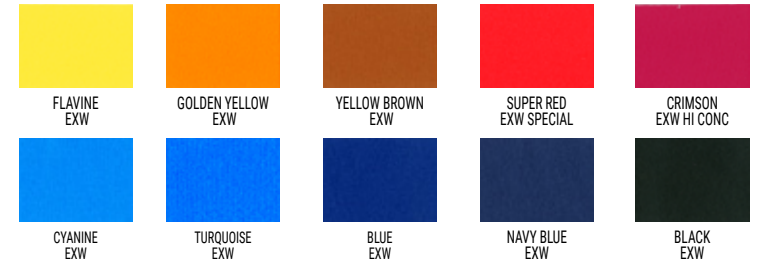
You can achieve all of your favorite athleisure designs, colors and fastness requirements with KISCO's range of products. Our EXW, EXWN and EXW-SP product lines offer a variety of features for colors while our Synolon EXW-SP dyes are best for black shades.

We will start our journey to the Athleisure Market together.



## 01 / SYNOLON EXW

Synolon EXW dyes are state-of-the-art disperse dyes with the highest wash fastness. They meet the requirements of the major retailers and even the most severe fastness tests.



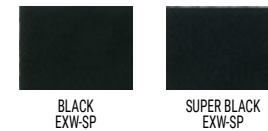
## 02 / SYNOLON EXWN

Synolon EXWN dyes are high build up dyes with high wet fastness properties. They can achieve good wet fastness with economical recipes. They are suitable for dyeing blends such as polyester/spandex.



## 03 / SYNOLON EXW - SP

Synolon EXW-SP dyes were developed specifically to improve dry heat fastness. These dyes give the highest wet fastness black for high performance. They show the lowest staining on spandex for polyester blend fabrics.



# Wide color range for Black



N brand-00A BLACK		UA brand-001 BLACK		NB brand-19 BLACK		XM brand-BLACK	
Flavine EXW	0.12%	Yellow EXWN	0.15%	Yellow EXWN	0.68%	Yellow EXWN	1.36%
Red EXWN	0.10%	Rubine EXWN	0.23%	Rubine EXWN	0.45%	Rubine EXWN	0.68%
<b>Black EXW-SP</b>	<b>7.50%</b>	<b>Black EXW-SP</b>	<b>6.00%</b>	<b>Super Black EXW-SP</b>	<b>4.35%</b>	<b>Super Black EXW-SP</b>	<b>6.58%</b>
Total	7.75%	Total	6.38%	Total	5.48%	Total	8.52%

## Washing fastness

### N Brand ISO 105-C06, B1M

DA	CO	PA	PES	PAN	WO
4	4-5	4	4-5	4-5	4-5

### UA Brand AATCC 61 2A

DA	CO	PA	PES	PAN	WO
4	4-5	4	4-5	4-5	4-5

### NB Brand ISO 105 C06, A2S

DA	CO	PA	PES	PAN	WO
4	4-5	4	4-5	4-5	4-5

### XM Brand KS K ISO 105 C06, A2S

DA	CO	PA	PES	PAN	WO
4	4-5	4	4-5	4-5	4-5

- Material: polyester 55D/72F DTY 83% (cotna), spandex 30D 17% (creora)
- Heat setting: 170°C × 30 sec

## Multiple home laundering

Color checks carried out after ten home laundering cycles confirmed that the washing resistance satisfies quality standards.

### AATCC 135

Dimensional changes of fabrics after home laundering ten times

N brand	UA brand	NB brand	XM brand
4-5	4-5	4-5	4-5

## No staining on other fibers

Synolon EXW-SP dyes have excellent fastness due to low migration to other fibers under high temperature and high humidity during shipping.

### AATCC 163- Modified

Dye transfer in storage; Fabric-to-Fabric

N brand	DA	CO	PA	PES	PAN	WO	NB brand	DA	CO	PA	PES	PAN	WO
4	4-5	4	4-5	4-5	4-5	4-5	4	4-5	4	4-5	4-5	4-5	4-5
UA brand	DA	CO	PA	PES	PAN	WO	XM brand	DA	CO	PA	PES	PAN	WO
4	4-5	4	4-5	4-5	4-5	4-5	4	4-5	4	4-5	4-5	4-5	4-5

• Dye transfer in storage condition: temperature 70°C, 48 hours

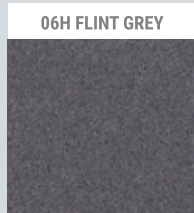




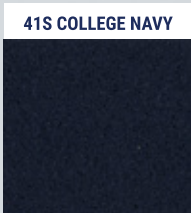
## N brand

N brand is a world-leading sports apparel company with fastness requirements based on ISO standards. KISCO's Synolon EXW and EXWN dyes deliver the required fastness and excellent results that are stable under a wide range of conditions.

### COLOR



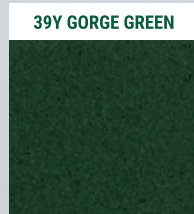
Yellow EXWN	0.28%
Red EXWN	0.27%
Blue EXW	0.69%
Total	1.24%



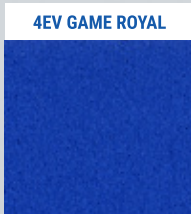
Yellow EXWN	0.49%
Super Red EXW Special	0.90%
Navy Blue EXW	3.50%
Total	4.89%



Yellow EXWN	0.40%
Super Red EXW Special	4.95%
Total	5.35%



Yellow EXWN	1.48%
Golden Yellow EXW	0.16%
Blue EXW	2.02%
Total	3.66%



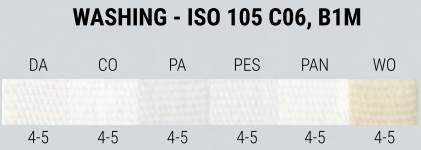
Turquoise EXW	0.80%
Blue EXWS	2.02%
Total	2.82%



Yellow EXWN	0.34%
Red EXWN	2.70%
Blue EXWS	0.44%
Total	3.46%

### FASTNESS

06H FLINT GREY



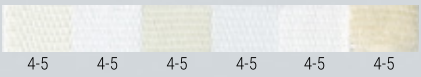
41S COLLEGE NAVY



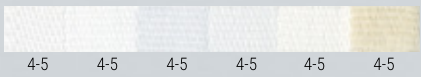
065N UNIVERSITY RED



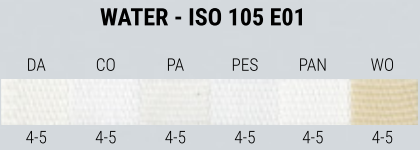
39Y GORGE GREEN



4EV GAME ROYAL



69X TEAM MAROON



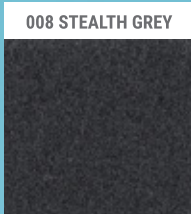
• Material: polyester 55D/72F DTY 83% (cotna), spandex 30D 17%(creora)  
• Heat setting: 170°C x 30 sec



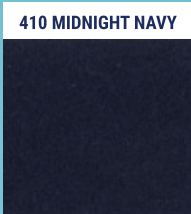
# UA brand

UA brand is an American sports apparel company and its fastness requirements are based on AATCC international standards. As Synolon EXW/EXWN dyes have excellent wet fastness, particularly washing and perspiration fastness, they can meet the UA brand requirements.

## COLOR



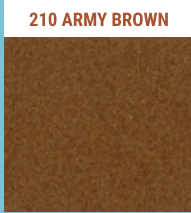
Yellow EXWN	0.647%
Super Red EXW Special	0.668%
Blue EXW	1.643%
Total	2.958%



Yellow EXWN	0.358%
Super Red EXW Special	1.150%
Navy Blue EXW	3.144%
Total	4.652%



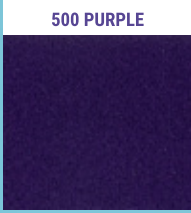
Yellow EXWN	0.294%
Super Red EXW Special	4.960%
Total	5.261%



Yellow EXWN	0.769%
Red EXWN	0.490%
Blue EXW	0.437%
Total	1.696%



Yellow EXWN	0.016%
Turquoise EXW	0.995%
Blue EXWS	2.910%
Total	3.921%



Yellow EXWN	0.01%
Crimson EXW HI CONC	1.95%
Blue EXW	2.20%
Total	4.16%

## FASTNESS

008 STEALTH GREY

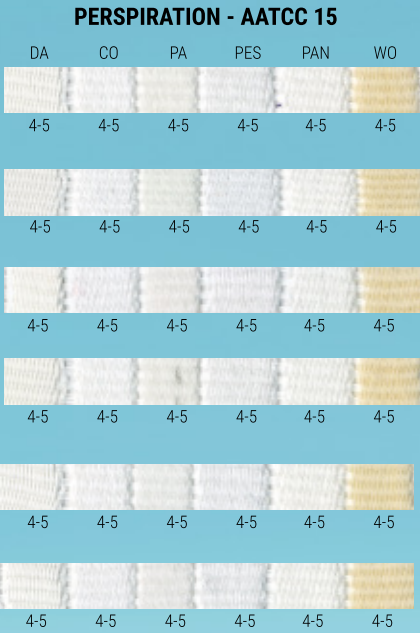
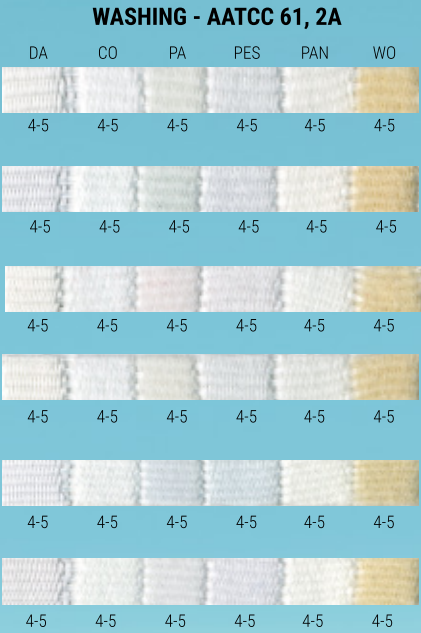
410 MIDNIGHT NAVY

600 RED

210 ARMY BROWN

400 ROYAL

500 PURPLE



- Material: polyester 55D/72F DTY 83% (cotna), spandex 30D 17%(creora)
- Heat setting: 170°C × 30 sec

## NB brand

NB brand is the only sports company with more than 100 years of history and is a company that demands high quality. Since color fastness may decrease due to friction during exercise, you must select and use high quality dyes, such as Synolon EXW/EXWN, that have good rubbing and wet fastness.

### COLOR

59 NAVY		600 RED		50 BLUE		BS DARK GREEN	
Yellow EXWN	0.33%	Yellow EXWN	0.340%	Yellow EXWN	0.021%	Yellow EXWN	0.90%
Super Red EXW Special	0.59%	Super Red EXW Special	2.825%	Turquoise EXW	1.680%	RED EXWN	0.12%
Navy Blue EXWS HI CONC	1.20%	Blue EXWS	0.002%	Blue EXWS	1.720%	Navy Blue EXW	1.48%
Total	2.12%	Total	3.167%	Total	3.421%	Total	2.50%

### FASTNESS

	WASHING - ISO 105 C06, A2S						RUBBING ISO 105 X12 (Dry/Wet)	
	DA	CO	PA	PES	PAN	WO	DRY	WET
59 NAVY								
	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
600 RED								
	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
50 BLUE								
	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
DARK GREEN								
	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5

- Material: polyester 55D/72F DTY 83% (cotna), spandex 30D 17%(creora)
- Heat setting: 170°C × 30 sec

## XM brand

XM brand is the No. 1 Athleisure apparel company in Korea and has a leading range of yoga and pilates apparel. To accommodate regular, at-home laundering, KISCO Synolon EXW/EXWN dyes are manufactured to maintain color continuously even after repeated washing.

### COLOR

DARK NIGHT		CORAL HEIZE		DUST KHAKI		INDIGO PURPLE	
Yellow EXWN	0.650%	Yellow EXWN	0.34%	Yellow EXWN	0.485%	Yellow EXWN	0.35%
Rubine EXWN	0.788%	Red EXWN	0.16%	Red EXWN	0.420%	Super Red EXW Special	1.30%
Black EXW	4.622%			Blue EXWS	0.610%	Navy Blue EXW	1.28%
Total	6.060%	Total	0.50%	Total	1.515%	Total	2.93%

### FASTNESS

	WASHING - KS K ISO 105 C06, A2S						OXIDATIVE BLEACH DAMAGE -KS K ISO 105 C09	
	DA	CO	PA	PES	PAN	WO	COLOR CHANGE	
DARK NIGHT								4-5
CORAL HEIZE								4-5
DUST KHAKI								4-5
INDIGO PURPLE								4-5

- Material: polyester 55D/72F DTY 83% (cotna), spandex 30D 17%(creora)
- Heat setting: 170°C × 30 sec



# PAPILION F

Vividly brilliant colors for creative applications

Athleisure, activewear and sportswear need vivid, high-visibility colors. KISCO PAPILION F dyes offer eco-friendly, premium quality, fluorescent color solutions that are sure to satisfy any design needs.

## COLORS



Yellow F-10GTN 400%	0.80%
Orange F-GRN	0.03%
Total	0.83%



Yellow F-10GTN 400%	0.23%
Orange F-GRN	0.42%
Total	0.65%



Yellow F-10GTN 400%	0.05%
Red F-FG	0.73%
Total	0.78%



Yellow F-10GTN 400%	0.01%
Red F-RBTS	2.46%
Total	2.47%

## FASTNESS

### WASHING - ISO 105 C06, A2S

PANTONE 803C

DA	CO	PA	PES	PAN	WO
4	4-5	3-4	4-5	4-5	4-5

PANTONE 804C

4-5	4-5	4-5	4-5	4-5	4-5
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PANTONE 805C

4-5	4-5	4-5	4-5	4-5	4-5
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PANTONE 812C

4-5	4-5	4	4-5	4-5	4-5
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### WATER - ISO 105 E01

DA	CO	PA	PES	PAN	WO
4-5	4-5	4-5	4-5	4-5	4-5

4-5	4-5	4-5	4-5	4-5	4-5
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4-5	4-5	4-5	4-5	4-5	4-5
-----	-----	-----	-----	-----	-----

4-5	4-5	4-5	4-5	4-5	4-5
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- Material: polyester 55D/72F DTY 83% (cotna), spandex 30D 17%(creora)
- Heat setting: 170°C x 30 sec





#### HEAD OFFICE

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**Certified**  
ISO 9001  
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ROADMAP TO  
**ZERO**