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Coralene MD

Colourtex Ind. Ltd.

ISO 9001:2008

ISO 14001 / OHSAS 18001

ETAD member

Coralene MD dyes are
compatible range of medium energy disperse dyes for exhaust and
continuous dyeing of polyester and its blends with other fibers.

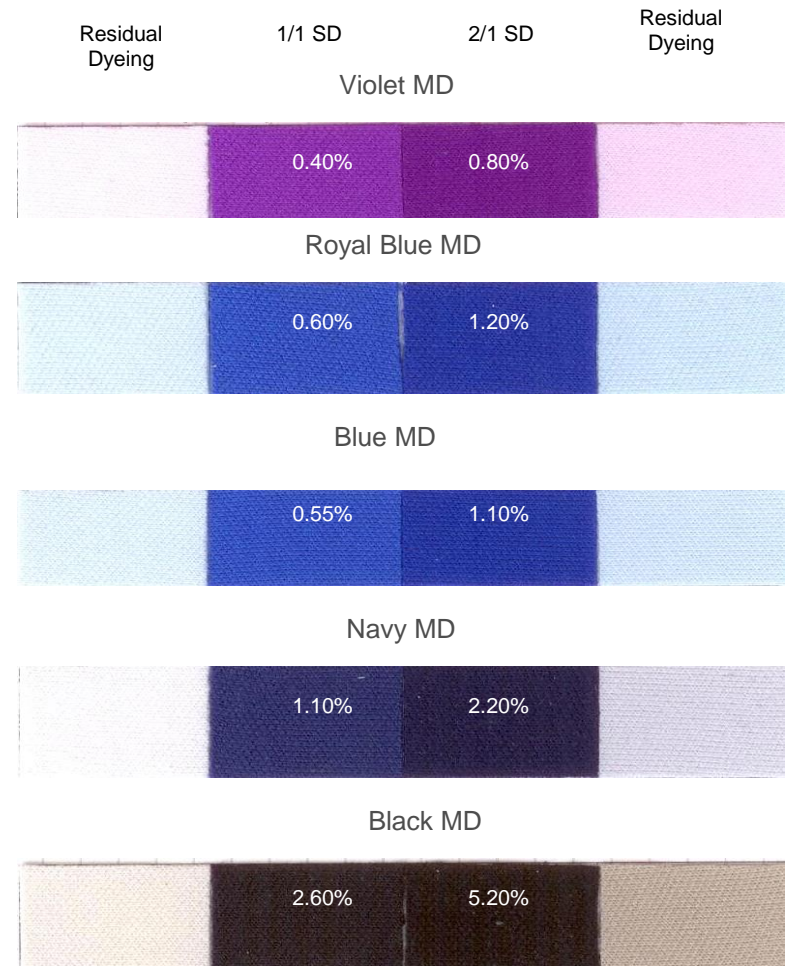
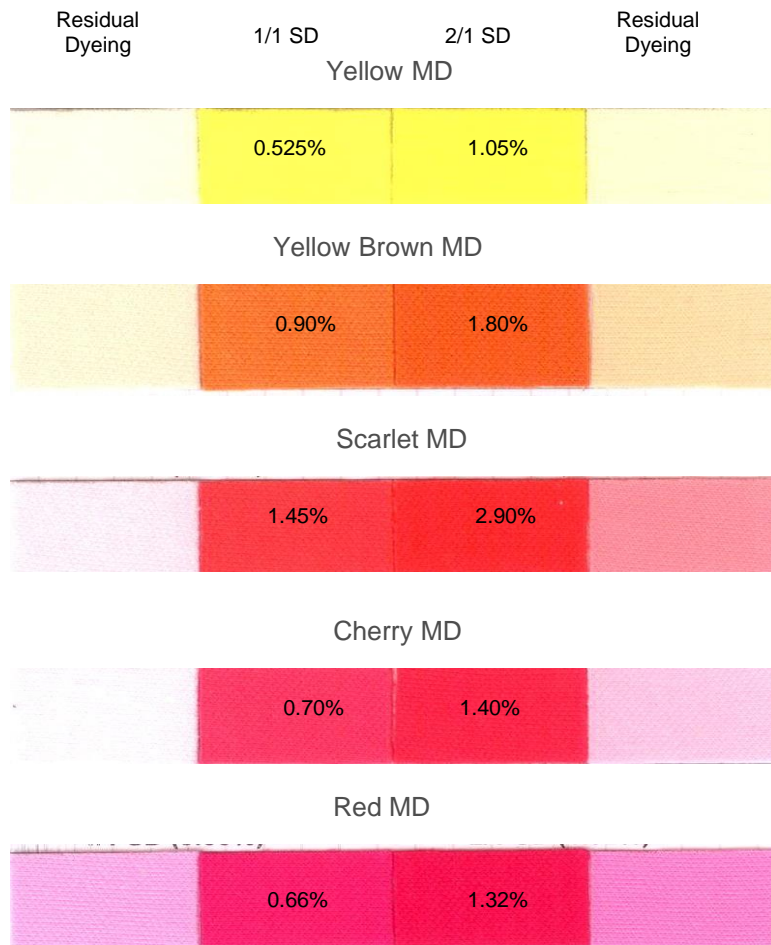
Coralene MD

- Excellent Dyeing Characteristics
- Robust & Reproducible
- Wider Application Scope
- All Round Fastness
- Medium Energy Disperse Dyes

Coralene MD

Excellent Dyeing

- High Tinctorial Value
- High Exhaustion

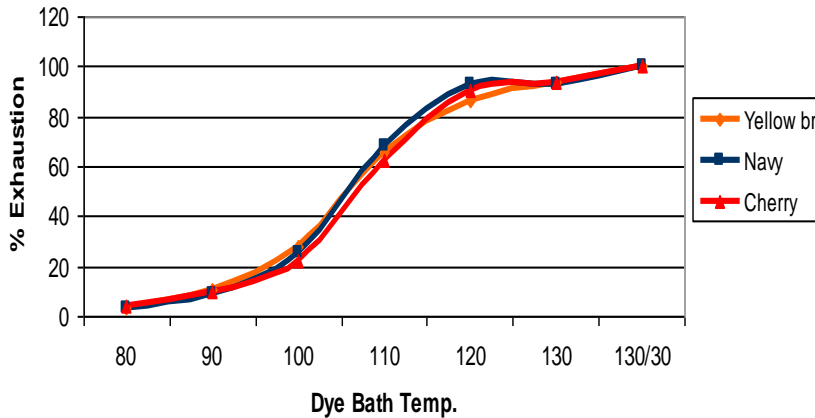


Coralene MD

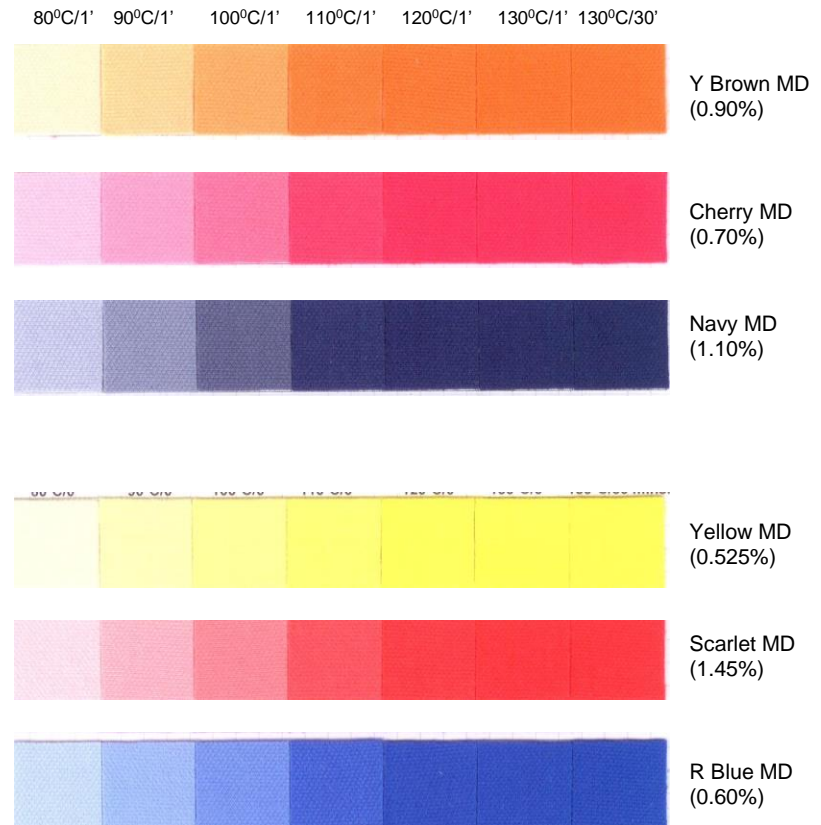
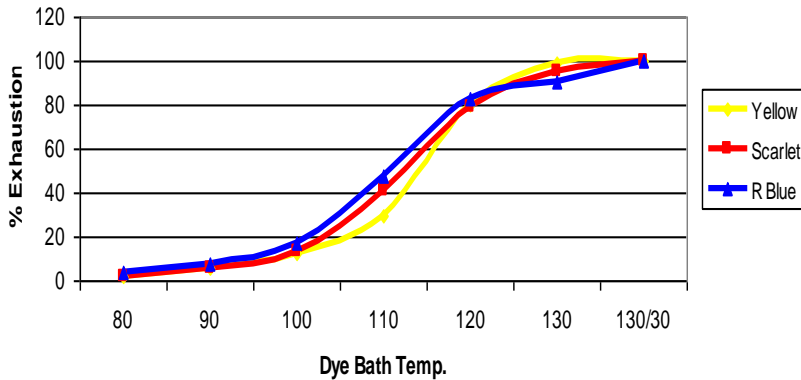
Excellent Dyeing

- Good Compatibility
- On Tone Exhaustion Even At Lower Temperature

Exhaustion Profile of Trichromatic Components: 2



Exhaustion Profile of Trichromatic Components: 1



Coralene MD

Excellent Dyeing

- Tri Chromatic Combinations:

Combination For :Dark Shades

Yellow Brown MD

Cherry MD

Navy MD

Combination For :Light Medium Depth Shades

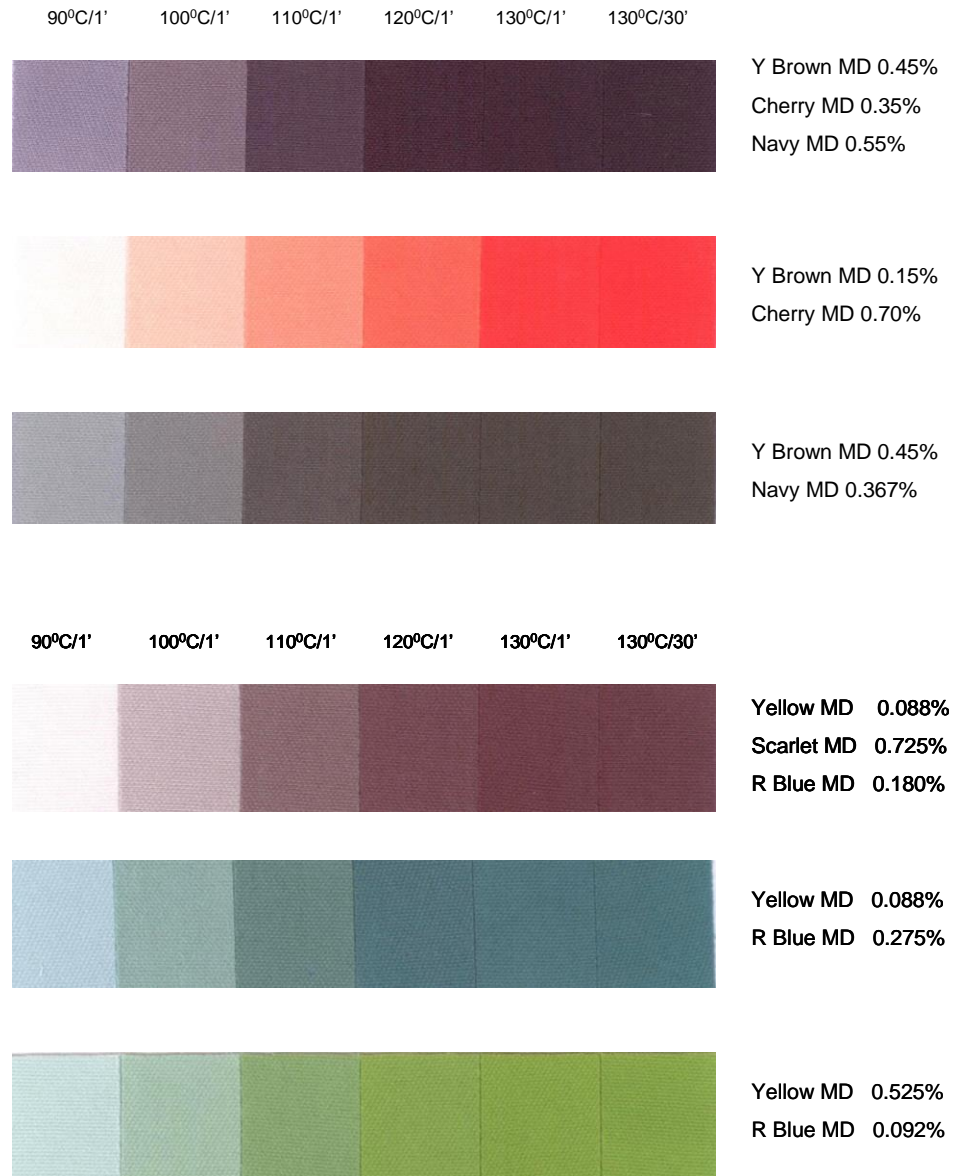
Yellow MD

Scarlet MD

Royal Blue MD

Exhaustion profile of tri chromatic combinations:

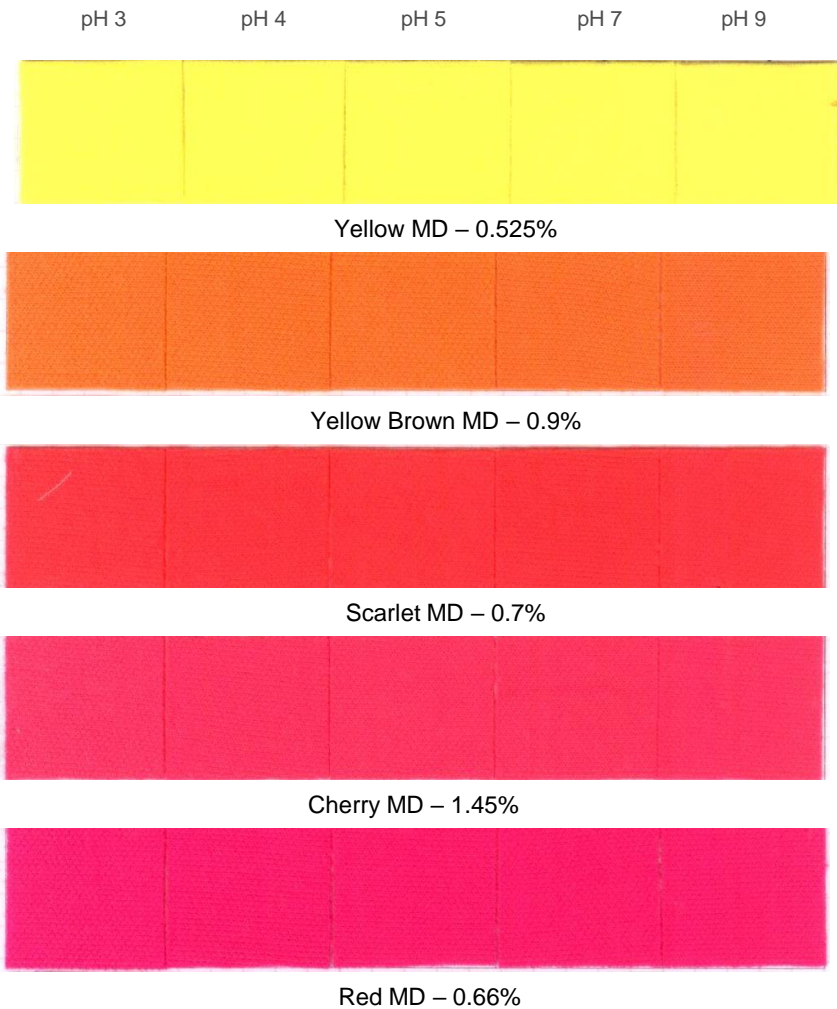
Combination Shades:



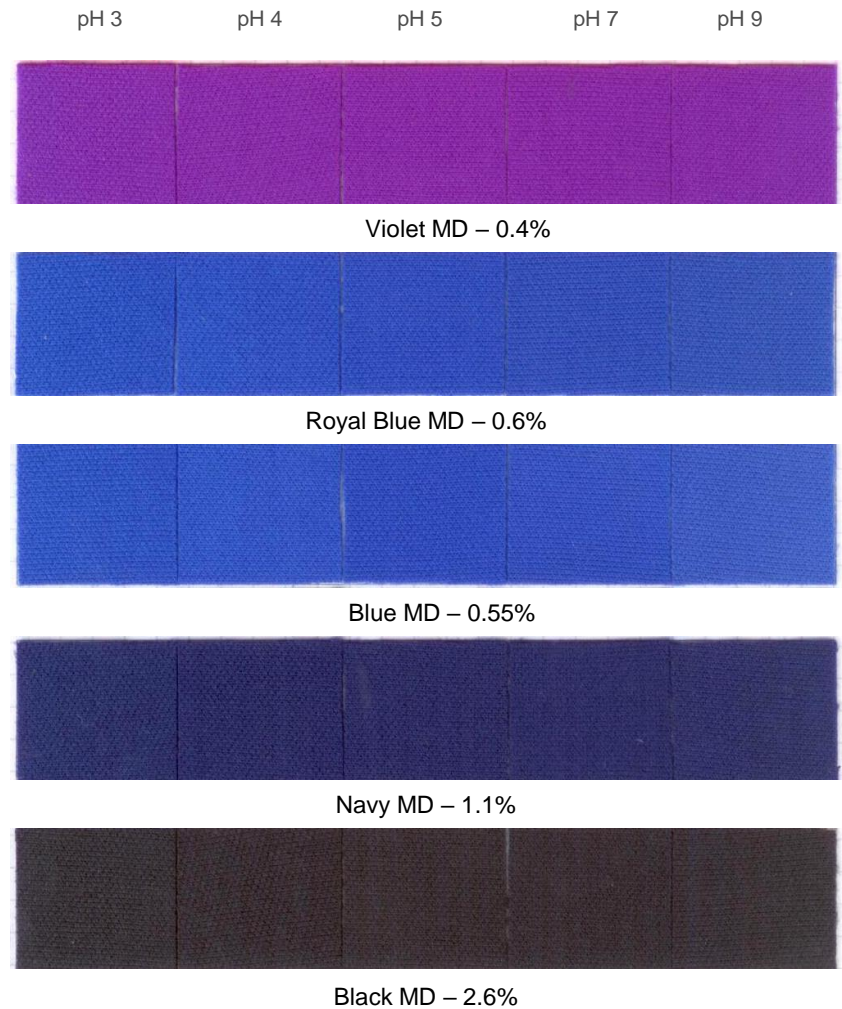
Coralene MD

Robust & Reproducible

- Stability To pH Variations



Dyeing at 130°C for 30 minutes with different dye bath pH



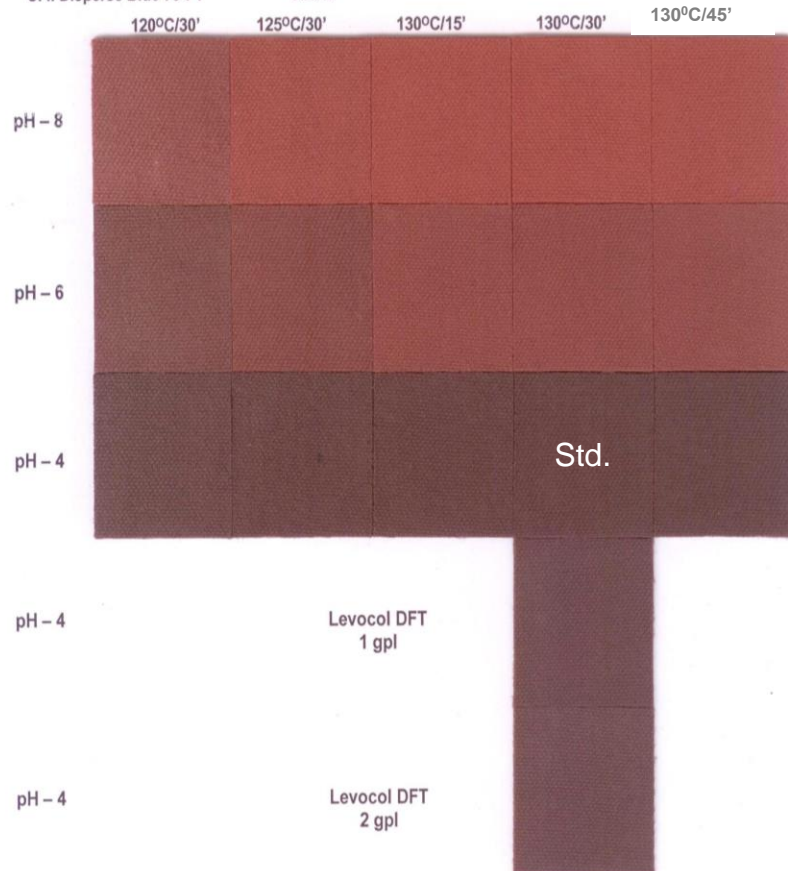
Coralene MD

Robust & Reproducible: Comparison of Ternary combination under various conditions

Effect of varying dyeing condition :

Conventional disperse dyes combination

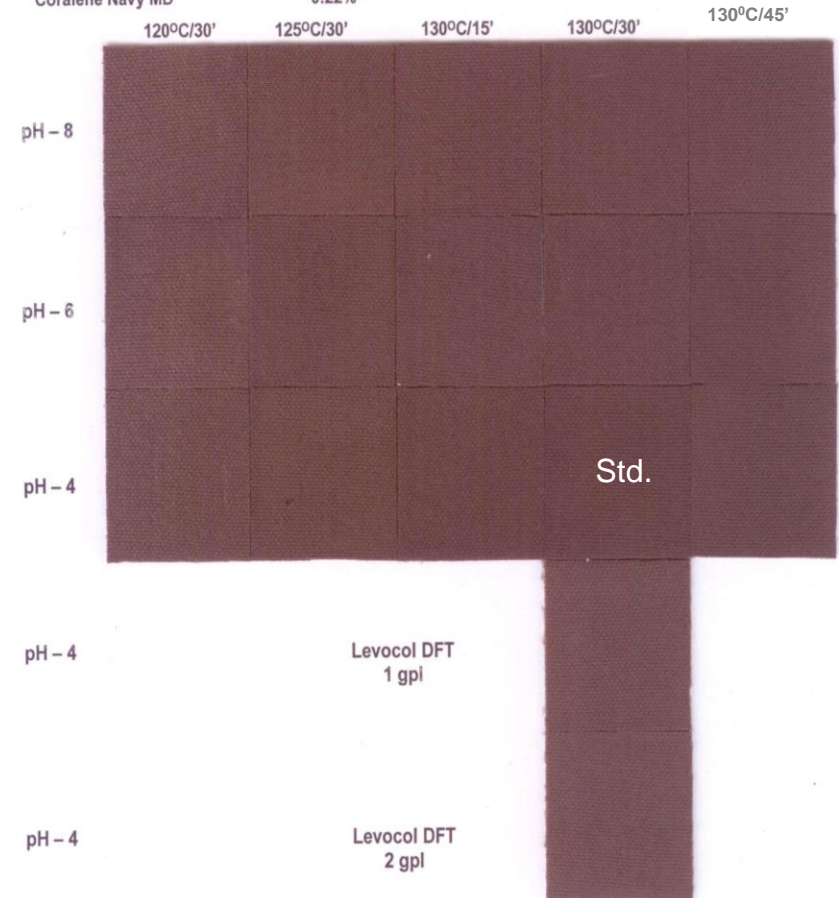
C. I. Disperse Orange 30	0.75%
C. I. Disperse Red 167 : 1	0.25%
C. I. Disperse Blue 79 : 1	0.25%



Coralene MD trichromatic combination : Robustness to varying dyeing condition.

Coralene MD combination

Coralene Yellow Brown MD	0.36%
Coralene Cherry MD	0.15%
Coralene Navy MD	0.22%



Coralene MD

Robust & Reproducible

- Less Sensitive To Variations In Final Dyeing Conditions

Coralene MD Recipe:

Yellow Brown MD – 0.36%

Cherry MD – 0.15%

Navy MD – 0.22%

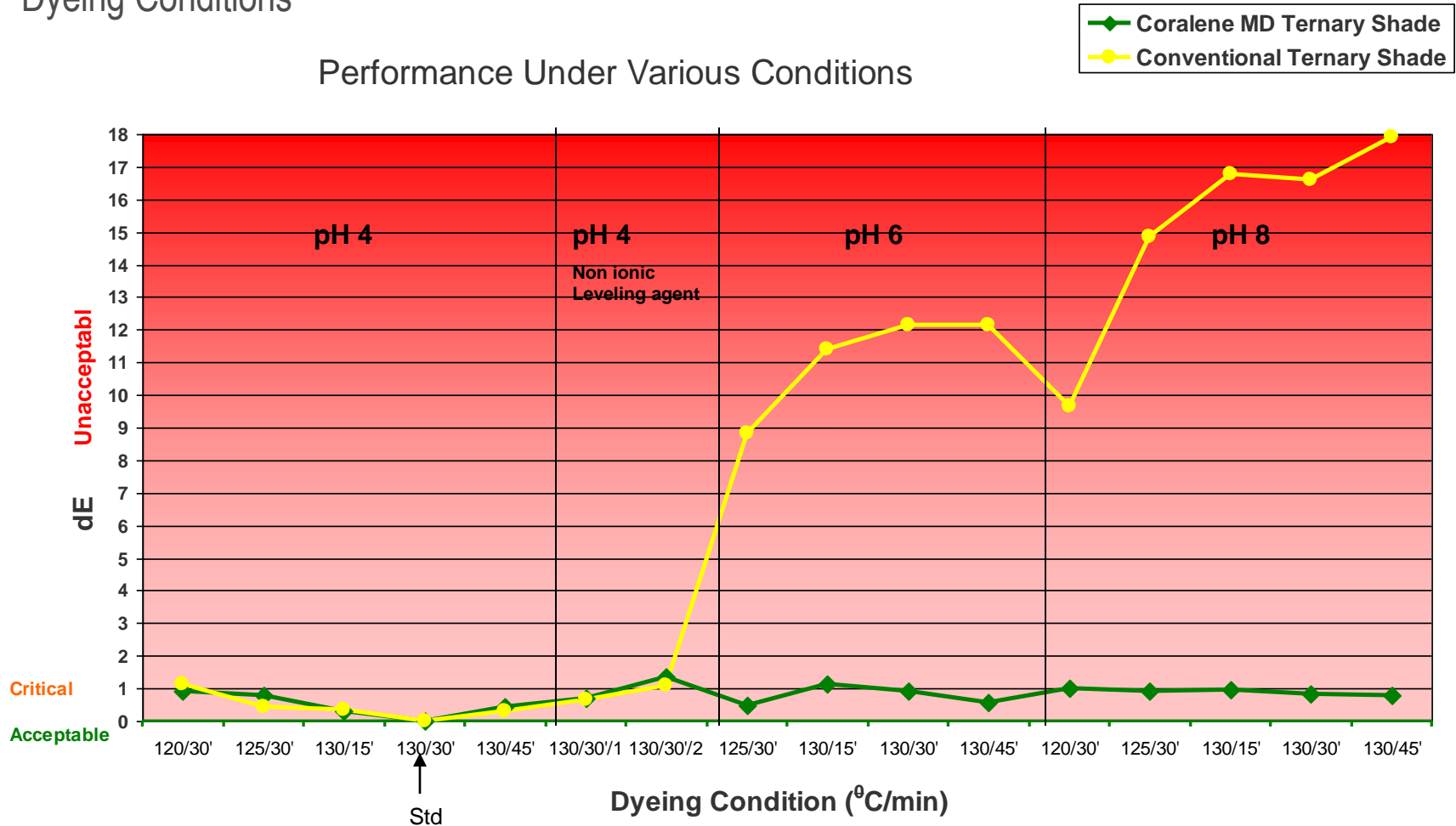
Conventional Recipe:

C.i. Disperse Orange 30 – 0.75%

C.I. Disperse Red 167.1 – 0.25%

C.I. Disperse Blue 79.1 – 0.25%

Performance Under Various Conditions



Coralene MD

Robust & Reproducible

- Less Sensitive To Variations In Final Dyeing Conditions

Coralene MD Recipe:

Yellow Brown MD – 0.36%

Cherry MD – 0.15%

Navy MD – 0.22%

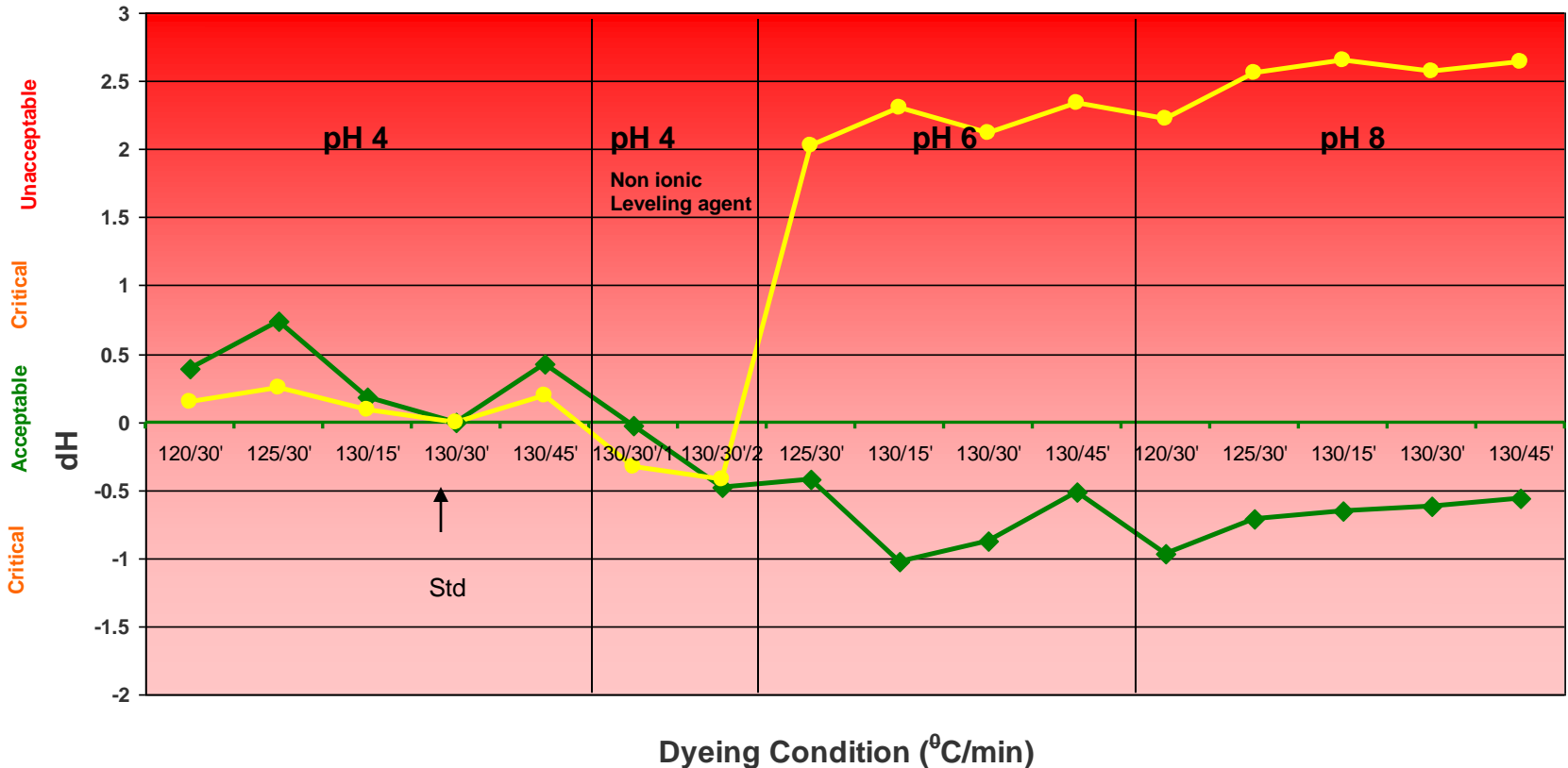
Conventional Recipe:

C.i. Disperse Orange 30 – 0.75%

C.I. Disperse Red 167.1 – 0.25%

C.I. Disperse Blue 79.1 – 0.25%

Performance Under Various Conditions

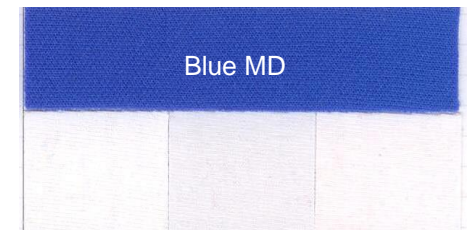
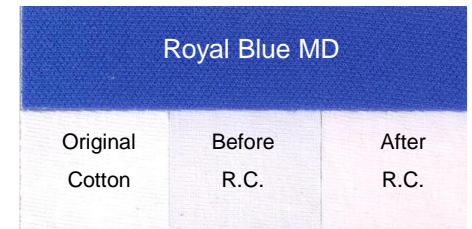


Coralene MD

Wider Application Scope : PET/Cell Blends

- On Tone & Low Staining On Cellulose Portion In PET/Cell Blends
- Suitable For Exhaust/Continuous Process

Staining Profile In PET/COTTON (50 / 50) Dyeing At 130°C/30 Minutes:



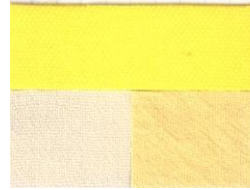
Staining on wool: Dyeing at 120°C for 30 minutes

Coralene MD

Wider Application Scope: PET / Wool Blends

- On Tone Staining on Wool Portion in PET/ Wool Blends
- Suitable For Low Temperature Exhaust Process at 120°C

Yellow MD – 0.525%



Yellow Brown MD – 0.9%



Scarlet MD – 0.7%



Cherry MD – 1.45%



Red MD – 0.66%



Violet MD – 0.4%



Royal Blue MD – 0.6%



Blue MD – 0.55%



Navy MD – 1.1%



Black MD – 2.6%



Original
Wool

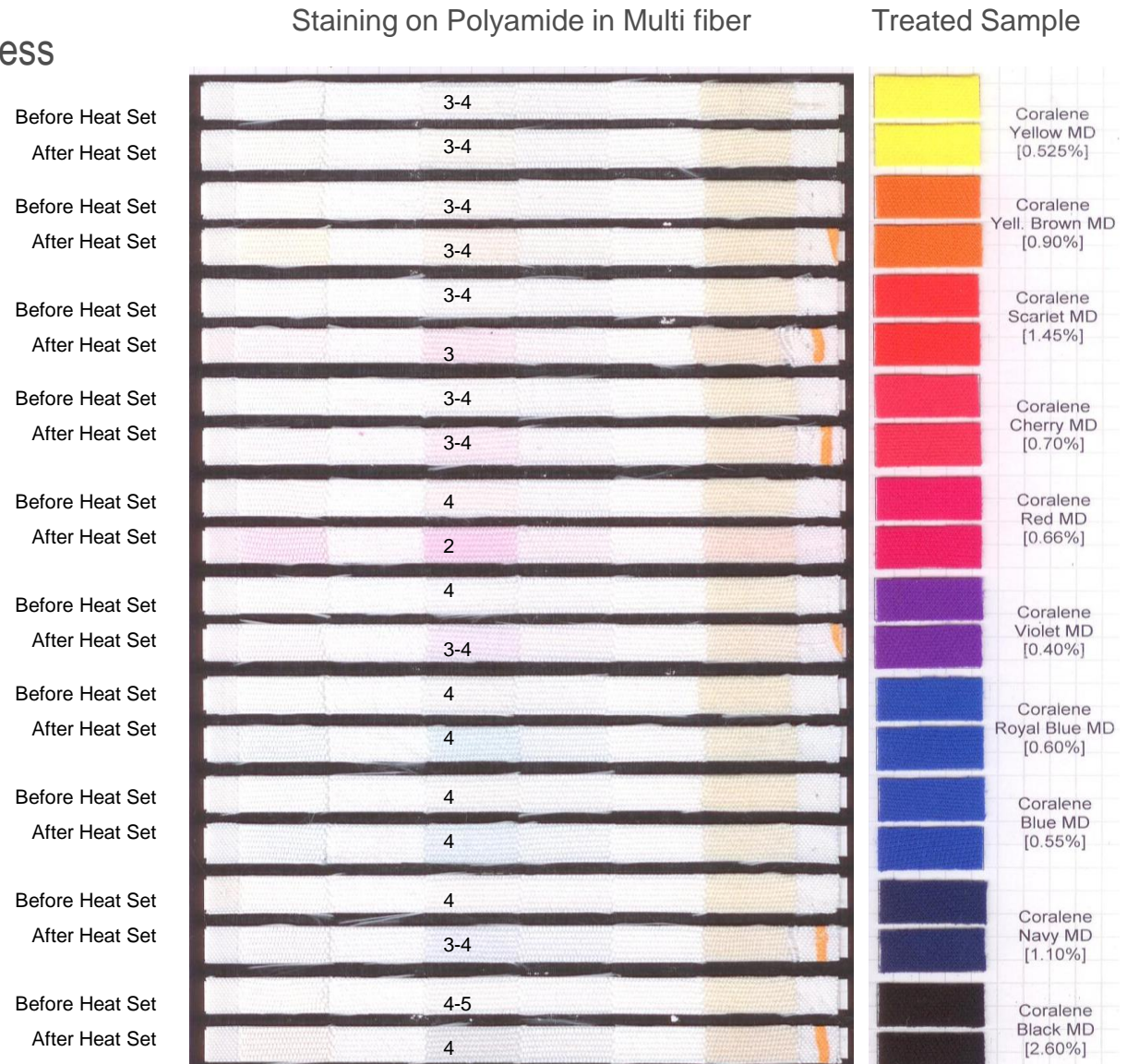
Stained
Wool

Coralene MD

Wash Fastness – AATCC Test Method 61, Option 2A

All Round Fastness

- Low Change In Wash Fastness After Heat Setting

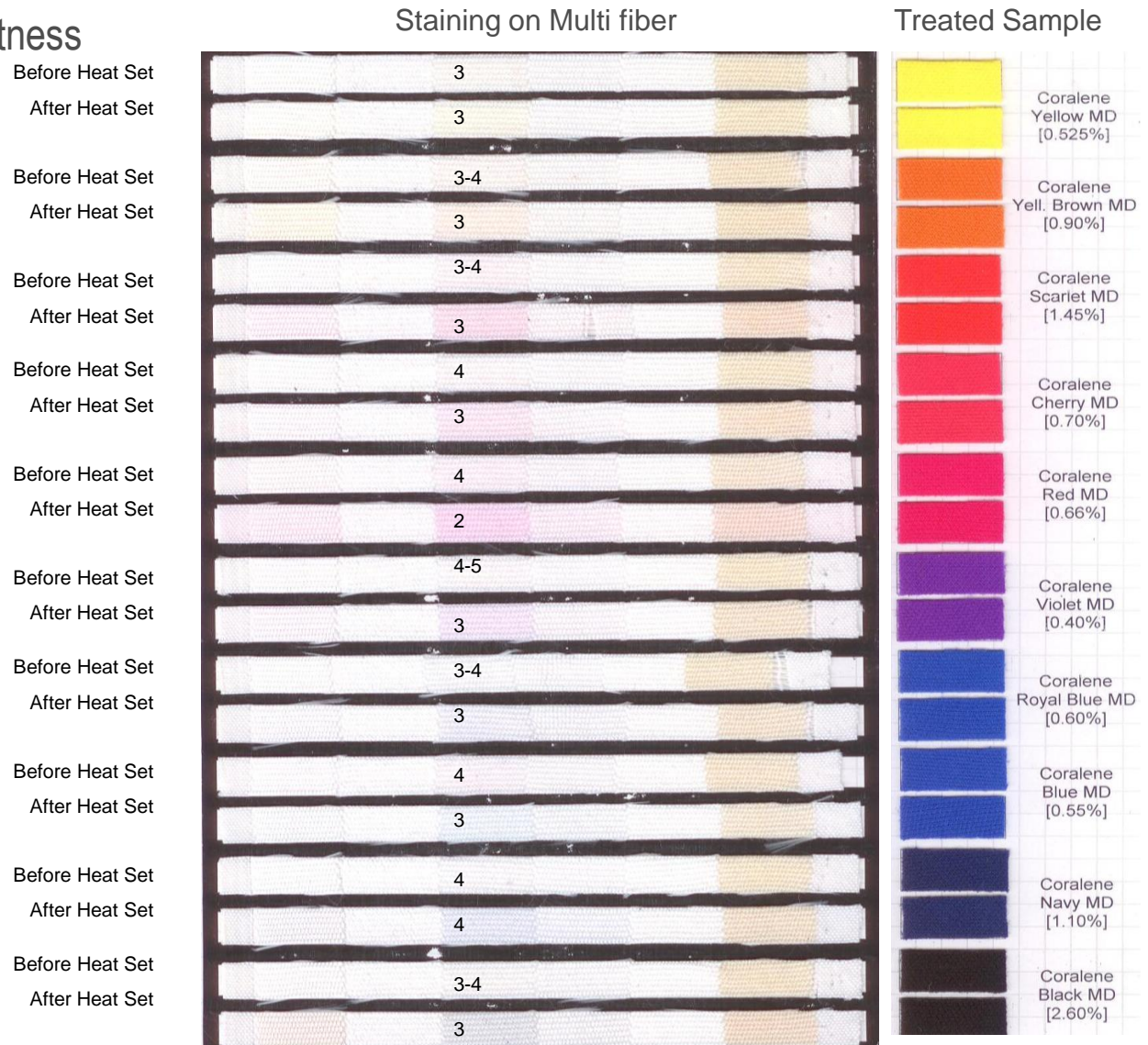


Coralene MD

All Round Fastness

- Low Change In Wash Fastness After Heat Setting

Wash Fastness – ISO Test Method 105 CO3



Coralene MD

- Light Fastness
- Wash Fastness
- Perspiration Fastness

All Round Fastness

Coralene MD	Light Fastness		Sublimation	Washing		Perspiration	
	AATCC 16		180 C/30 Sec.	C/CO/PA/PES/WO		C/CO/PA/PES/WO	
	Option 3: 2004		1/1 SD	CO3	AATCC/		
	1/1 SD						
	20AFU	40AFU		60C.	2A	Alkali	Acid
Yellow MD	5	4--5	3--4	4--5	4--5	4--5	4--5
				4--5	4--5	4--5	4--5
				4--5	4--5	4--5	4--5
				4--5	4--5	4--5	4--5
Yell. Brown MD	5	4--5	3--4	4--5	4--5	4--5	4--5
				4--5	4--5	4--5	4--5
				3--4	3--4	4--5	4--5
				4--5	4--5	4--5	4--5
Scarlet MD	4--5	4	4--5	4--5	4--5	4--5	4--5
				4--5	4--5	4--5	4--5
				3--4	2--3	4--5	4--5
				4--5	4--5	4--5	4--5
Cherry MD	4--5	4	4--5	4--5	4--5	4--5	4--5
				4--5	4--5	4--5	4--5
				4--5	4--5	4--5	4--5
				4--5	4--5	4--5	4--5
Red MD	4--5	4	3--4	4--5	4--5	4--5	4--5
				4--5	4--5	4--5	4--5
				2--3	2--3	4--5	4--5
				4--5	4--5	4--5	4--5

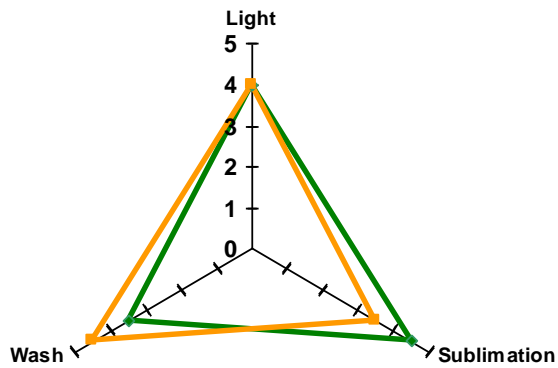
Coralene MD	Light Fastness		Sublimation	Washing		Perspiration	
	AATCC 16		180 C/30 Sec.	C/CO/PA/PES/WO		C/CO/PA/PES/WO	
	Option 3: 2004		1/1 SD	CO3	AATCC/		
	1/1 SD						
	20AFU	40AFU		60C.	2A	Alkali	Acid
Violet MD	4--5	4	3--4	4--5	4--5	4--5	4--5
				4--5	4--5	4--5	4--5
				3--4	2--3	4--5	4--5
				4--5	4--5	4--5	4--5
Royal Blue MD	4	3--4	3--4	4--5	4--5	4--5	4--5
				4--5	4--5	4--5	4--5
				3--4	2--3	4--5	4--5
				4--5	4--5	4--5	4--5
Blue MD	4	3--4	3--4	4--5	4--5	4--5	4--5
				4--5	4--5	4--5	4--5
				3--4	2--3	4--5	4--5
				4--5	4--5	4--5	4--5
Navy MD	4--5	4	3--4	4--5	4--5	4--5	4--5
				4--5	4--5	4--5	4--5
				2--3	2--3	4--5	4--5
				3--4	4--5	4--5	4--5
Black MD	4--5	4	3--4	4--5	4--5	4--5	4--5
				4--5	4--5	4--5	4--5
				2--3	2--3	4--5	4--5
				4--5	4--5	4--5	4--5

Coralene MD

- **Better Option To Conventional Disperse Dyes**

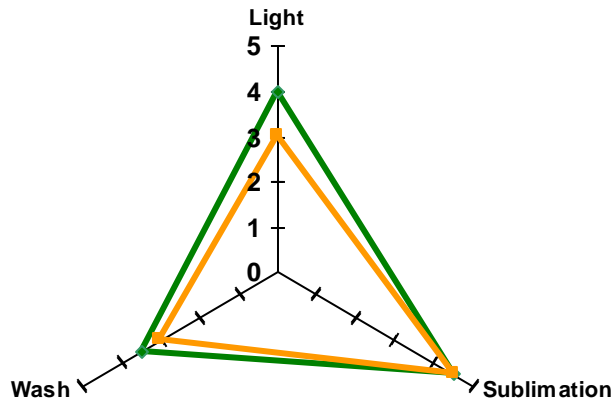
Fastness Comparison:

◆ Yell. Brown MD
◆ C.I. Dis. Orange 30



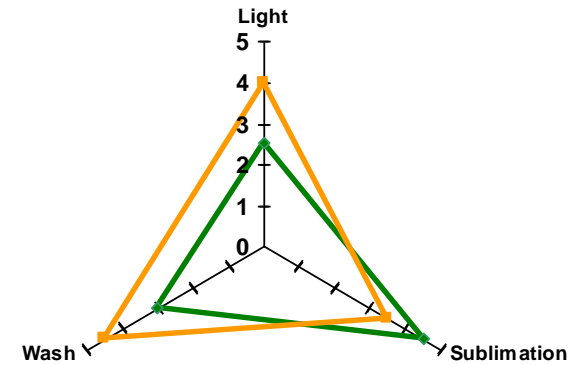
Fastness Comparison:

◆ Cherry MD
◆ C.I. Dis. Red 167:1



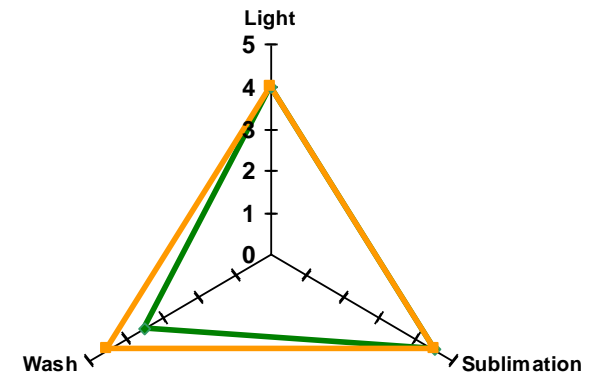
Fastness Comparison:

◆ Navy MD
◆ C.I. Dis. Blue 79:1



Fastness Comparison:

◆ Cherry MD
◆ C.I. Dis. Red 202



Light Fastness: AATCC Test Method 16, Option 3, 40 AFU Exposure

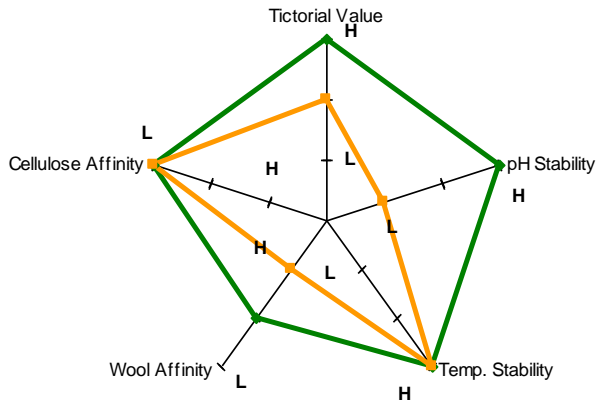
Sublimation Fastness: Staining on Polyester, 180°C / 30 sec (ISO 105/PO1)

Wash Fastness: Staining on Nylon, ISO 105/CO3 at 60°C

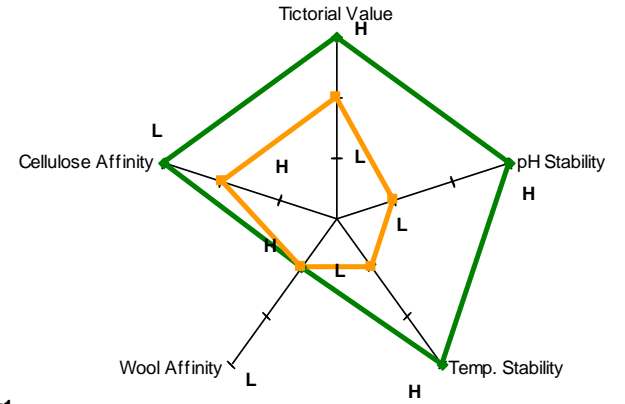
Coralene MD

- **Better Option To Conventional Disperse Dyes**

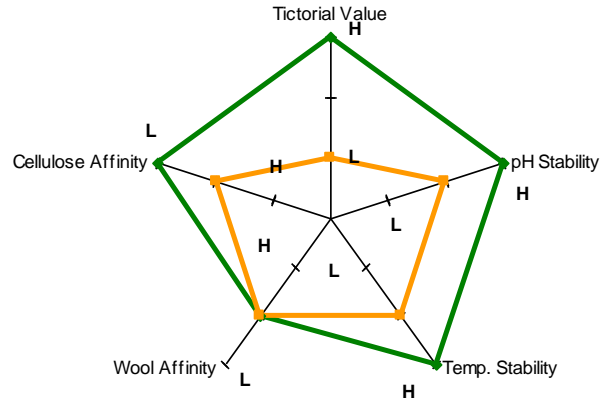
◆ Yellow MD
◆ C.I. Dis. Yellow 236



◆ Navy MD
◆ C.I. Dis. Blue 79:1



◆ Red MD
◆ C.I. Dis. Red 167:1



Key:
 H = High
 L = Low

**High
Tinctorial
Value**

**Suitable For
PET & Blends**

Compatible

**Low & On Tone
Staining On
Other Substrates**

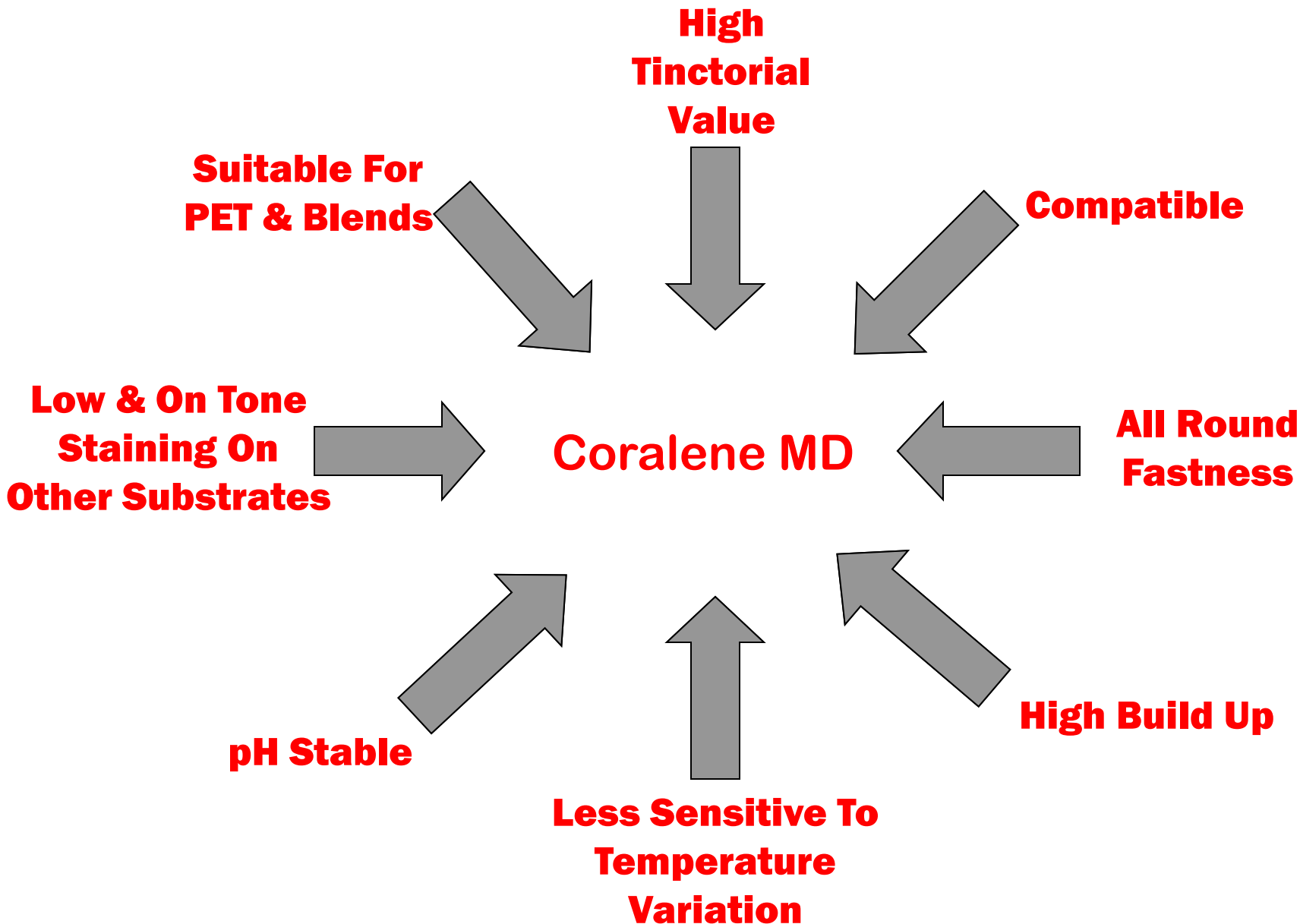
Coralene MD

**All Round
Fastness**

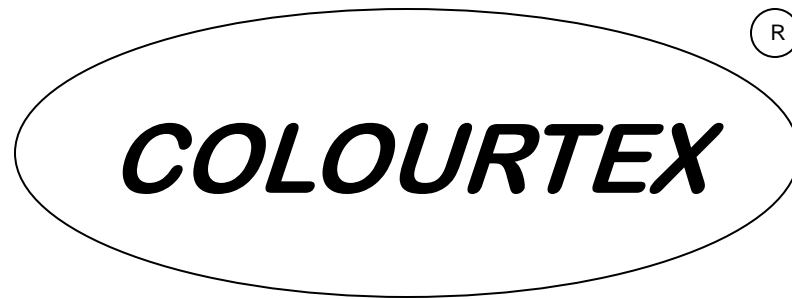
pH Stable

High Build Up

**Less Sensitive To
Temperature
Variation**



THANKS!!



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