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Textile Effects

TERASIL® Washfast Blue Dyes

Expanding the boundaries for high performance sportswear



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# TERASIL® Washfast Blue Dyes

WW - for highest wash fastness and highest robustness  
W - for very good wash fastness and robustness

## TERASIL® Washfast Blue Dyes

A proven track record of outstanding performance

### Key benefits of TERASIL® Washfast Blue Dyes:

#### TERASIL® Blue WW-2GS

- Leading wash fastness at all temperatures including 95°C/ 203°F
- Excellent dry heat fastness and superior storage migration fastness
- Outstanding stability to reduction, leading to excellent shade reproducibility
- Lowest staining on cotton for PES/CO fabrics

#### TERASIL® Blue W

- Highly recommended for 40°C/ 104°F, 49°C/120°F and for 60°C / 140°F wash fastness
- Outstanding stability to reduction, leading to excellent shade reproducibility
- Highly recommended as trichromatic element for TERASIL® W dyes
- High tinctorial strength and build-up
- Outstanding perspiration fastness

#### TERASIL® Blue W-BLS

- Recommended for 40°C/ 104°F, 49°C/120°F and for 60°C / 140°F wash fastness
- Economical washfast blue
- Outstanding build-up
- Moderate stability to reduction

#### TERASIL® Blue W-EL

- Highly recommended for PES/EL blends at 125°C-130°C / 257°F-266°F
- Recommended especially for 40°C / 104°F and 60°C / 140°F wash fastness
- Good to moderate stability to reduction



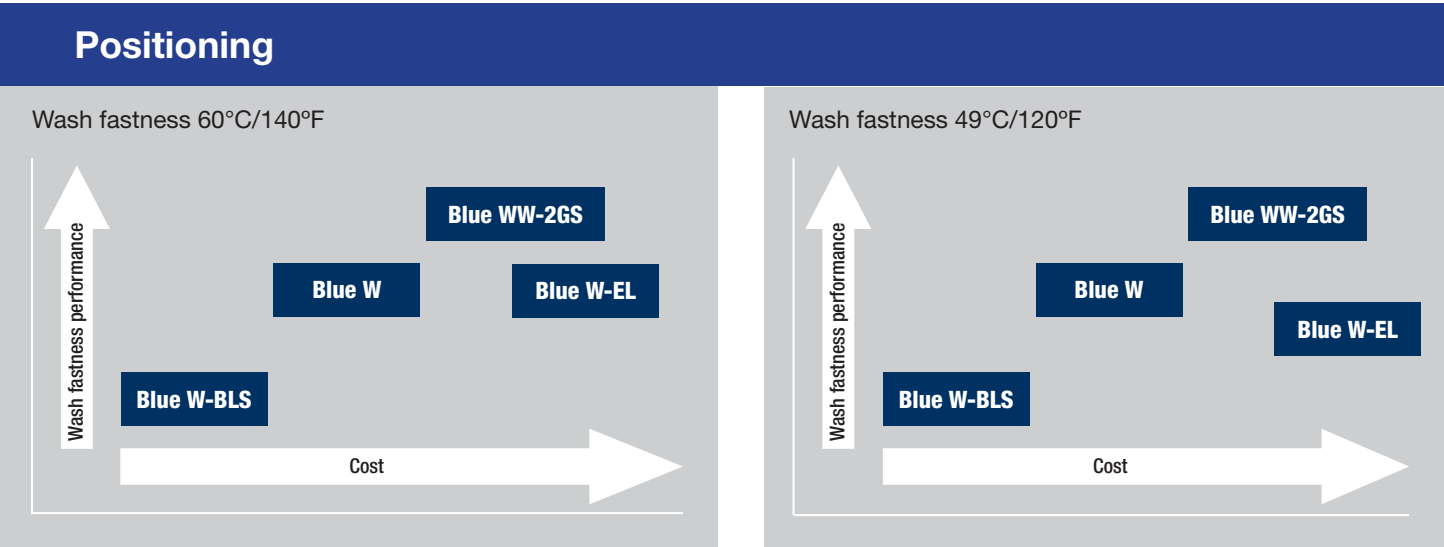


TERASIL® Blue WW-2GS

TERASIL® Blue W

TERASIL® Blue W-BLS

TERASIL® Blue W-EL



Performance of TERASIL® Washfast Blue Dyes				
	Blue WW-2GS	Blue W	Blue W-BLS	Blue W-EL
Wash fastness 60°C/140°F ISO 105 – 06	■■■	■■	■	■■
Wash fastness 49°C/120°F AATCC 61 2A	■■■	■■	■	■
Perspiration alkaline ISO 105-E04	■■■	■■	■■	■■
Dry heat 180°C/356°F 30 seconds ISO 105-P01	■■■	■■■	■■■	■
Stability to reduction	■■■	■■■	–	■
Dyeing PES/EL at 125°C/257°F	–	–	■	■■■
Light fastness	■■	■■	■■■	■■
Build-up	■■	■■	■■■	■
PES continuous	■■■	■	■■■	■■

■ SUITABLE   ■■ RECOMMENDED   ■■■ HIGHLY RECOMMENDED   – NOT RECOMMENDED



# TERASIL® Blue W

TERASIL® Blue W provides high performance and excellent stability to reduction, leading to excellent reproducibility, right first time results, and saving of resources.

## Key Benefits TERASIL® Blue W

- Recommended for all major wash fastness requirements
- Outstanding stability to reduction, leading to excellent shade reproducibility
- Excellent perspiration fastness
- High tinctorial strength and build-up
- bluesign® approved and suitable for STANDARD 100 by OEKO-TEX® certified textile products<sup>(1)</sup>



TERASIL® Washfast Blue Dyes post set 180°C/356°F 60 seconds no finish

AATCC 61 2A (49°C/120°F)	N	Color Stain					
		CA	CO	PA	PES	PAN	WO
1.0% TERASIL® Blue WW-2GS							
	4-5	5	5	5	5	5	4-5
0.92% TERASIL® Blue W							
	4-5	5	5	4-5	4-5	4-5	4
0.67% TERASIL® Blue W-BLS							
	4-5	5	5	4-5	4-5	5	4-5
1.7% Industry Standard Blue 1							
	4-5	4	5	4-5	4-5	5	4-5
2.0% Industry Standard Blue 2							
	4-5	5	5	5	5	5	4-5

TERASIL® Washfast Blue Dyes post set 180°C/356°F 60 seconds with moisture management

AATCC 61 2A (49°C/120°F)	N	Color Stain					
		CA	CO	PA	PES	PAN	WO
1.0% TERASIL® Blue WW-2GS							
	4-5	5	5	4-5	4-5	5	4-5
0.92% TERASIL® Blue W							
	4-5	4	4-5	3	3-4	4-5	3-4
0.67% TERASIL® Blue W-BLS							
	4-5	3	4-5	2-3	3	4-5	3-4
1.7% Industry Standard Blue 1							
	4-5	2	4-5	2-3	3-4	4-5	4
2.0% Industry Standard Blue 2							
	4-5	4	4-5	3-4	4-5	5	4

VIVID  
PERFORMANCE

TERASIL® Washfast Dyes are a robust and high performance wash fast dye range for polyester achieving right-first-time performance. bluesign® approved and suitable for STANDARD 100 by OEKO-TEX® certified textile products<sup>(1)</sup>.

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