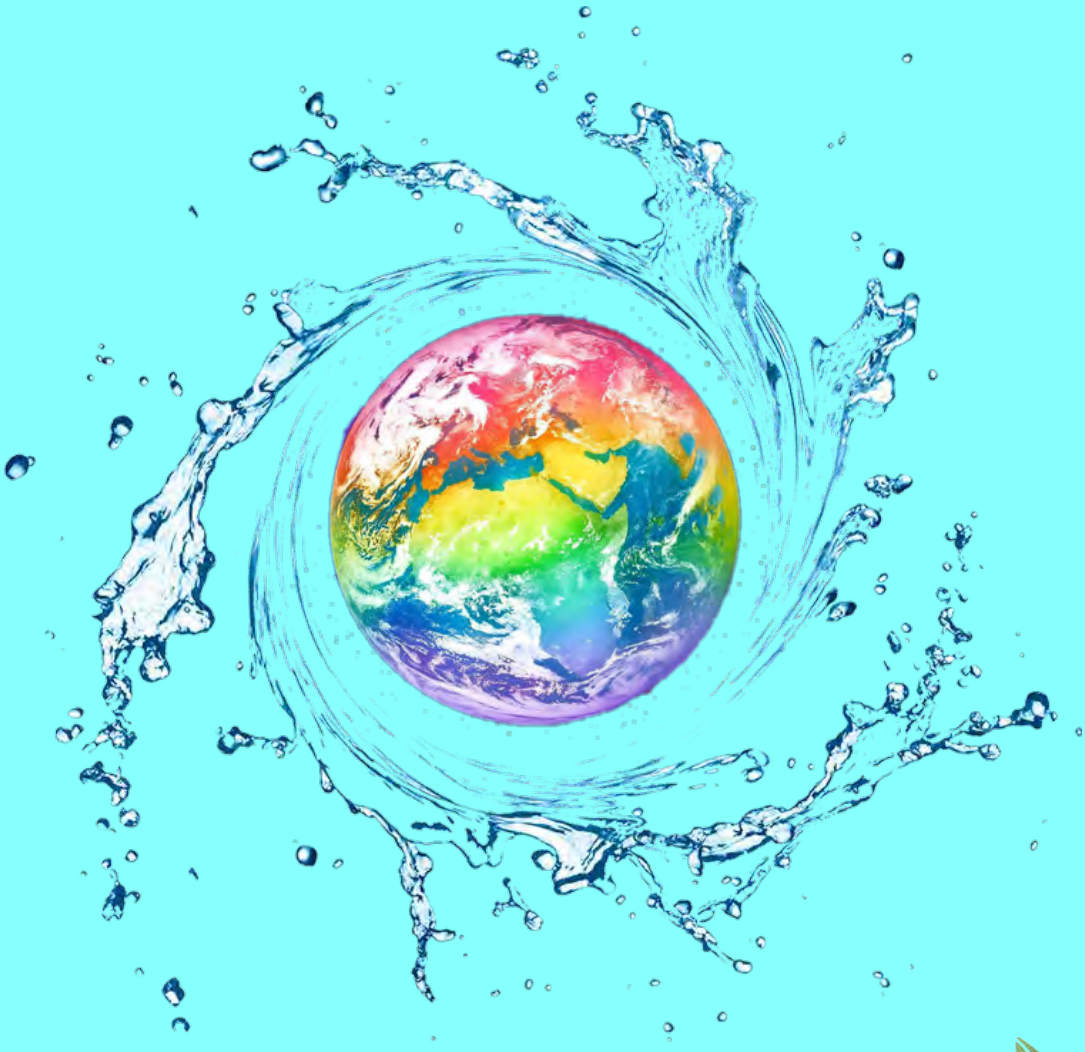
ASAHI
Dyes And Chemicals

ASAHIFIX® XP

A reliable solution for new colour dimensions



ASAHIFIX DYESTUFF

INNOVATING CHEMISTRY
POWERING PROGRESS

ASAHIFIX® XP: A reliable solution for new colour dimensions

ASAHIFIX® XP : Range Positioning

This ASAHIFIX XP range of Cellulosic dyestuffs are meant to be placed in medium, dark and extra-dark shade gamuts. These are suitable for exhaust and pad application while exhibiting unique operational excellence with improved Right-First-Time (RFT).

ASAHIFIX XP range of dyestuffs is proven to be robust under varying dyeing condition, easy shade matching, seamless runability, excellent reproducibility with ease of application. A new high in colour fastness (Light, multiple washes, perspiration, chlorinated water) are the embedded properties which enhances the end requirements of the consumers. This range has excellent compatibility among themselves. Some of the salient features are as indicated below:

Range Highlights

- High tinctorial strength
- Excellent colour buildup
- High exhaustion and fixation level
- Wider colour spectrum
- Excellent washing-off properties
- Very good reproducibility, right first time
- Very good Multiple washing with Perborate
- Excellent Chlorine Fastness
- Economical coloristic cost



The information and technical advice - whether verbal, in writing or by way of trials - are given in good faith but without warranty. Data and results are based on controlled or laboratory work, and must be confirmed as satisfactory by the buyer by testing under intended conditions of use.

Asahifix®		1/1 SD (%)	Solubility		Dyeing properties		Fastness Properties							
							Light		PLF *(CC)		PF* (SC)		D & CL*	Chlorine
			Water (30 °C)	Salt Solution 90 g/l (50 °C)	Exhaust	Pad-Batch	ISO 105 B02 (1/3 SD) G6	ISO 105 B02 (1/2 SD) G6	ISO 105 B07(1/2 SD) G4- Acid	ISO 105 B07(1/2 SD) G4- Alkali	ISO 105 E04 (1/1 SD) - Acid	ISO 105 E04 (1/1 SD) - Alkali	ISO 105 C09- CC	ISO 105 E03 (20mg)- CC
	YELLOW XP-4G	2.80	200	150	◆	◇	4-5	5	3-4	3	4-5	4-5	4 R	3
	YELLOW XP-C	4.00	200	150	◆	◆	4	4	4	4	4-5	4-5	4-5	3 DI
	ORANGE XP-C	2.00	200	200	◆	◇	4	4	4	4	4-5	4-5	4-5	3-4 DI
	SCARLET XP-S	2.50	100	<5	◆	◆	3-4	3-4	3-4	2-3	4-5	4-5	4	3-4
	RED XP-C	3.00	200	150	◆	◆	3-4	3-4	3	2-3	4	4	3-4	3-4
	BLUE XP-C	2.80	200	150	◆	◆	3	3	3	2-3	4-5	4-5	3-4	3
	BRILLIANT BLUE XP-J	4.00	60	<5	◆	◇	5-6	6	4+	3-4	4-5	4-5	4	3 DI
	ROYAL XP-SR	3.00	200	150	◆	◇	4-5	5	4	4	4	4	4	3 DI
	MARINE XP-B	1.70	200	200	◆	◆	3 (1/1SD)	4 (2/1SD)	3 (2/1SD)	2-3 (2/1SD)	4-5	4-5	3 R	3-4 Y
	BLACK XP-C	6.00	200	200	◆	◆	-	4 (6%)	4 (6%)	3-4 (6%)	4-5	4-5	4 R	3
	BLACK XP-S	6.00	200	200	◆	◆	-	4 (6%)	4 (6%)	3-4 (6%)	4-5	4-5	4 R	3

SD : Standard Depth | PLF* : Perspiration Light Fastness | PF* : Perspiration Fastness | D & CL* : Domestic & Commercial Laundering

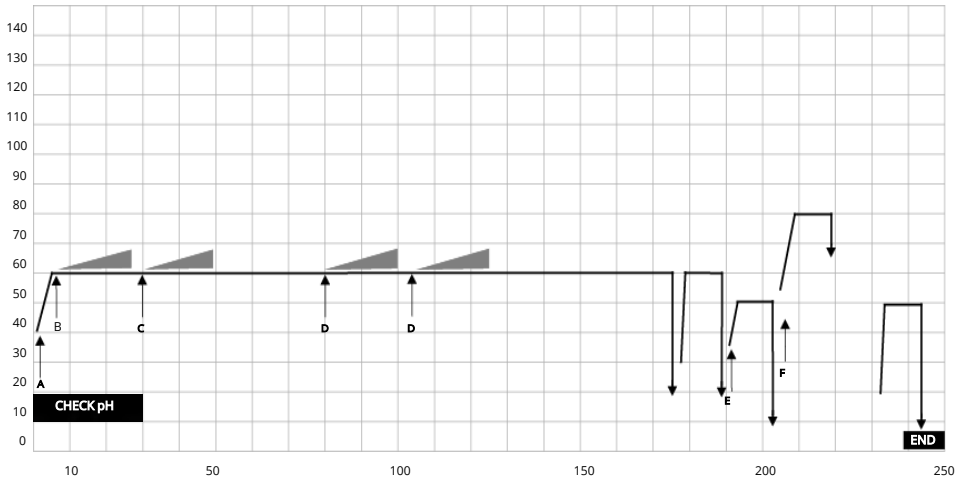
CC : Colour Change |SC : Staining on Cotton | G : Grade | ◆ : Suitable |◇ : Not Suitable

Asahifix®		1/1 SD (%)	Solubility		Dyeing properties		Fastness Properties							
							Light		PLF *(CC)		PF* (SC)		D & CL*	Chlorine
			Water (30 °C)	Salt Solution 90 g/l (50 °C)	Exhaust	Pad-Batch	ISO 105 B02 (1/3 SD) G6	ISO 105 B02 (1/2 SD) G6	ISO 105 B07(1/2 SD) G4- Acid	ISO 105 B07(1/2 SD) G4- Alkali	ISO 105 E04 (1/1 SD) - Acid	ISO 105 E04 (1/1 SD) - Alkali	ISO 105 C09- CC	ISO 105 E03 (20mg)- CC
	YELLOW XP-D	2.60	200	150	◆	◆	5	5	4	4	4-5	4	4-5 R	4 G
	ORANGE XP-D	2.00	200	200	◆	◆	4-5	4-5	4	4	4-5	4-5	4-5	3-4
	BRILLIANT ORANGE XP-S	2.50	200	200	◆	◆	3-4	3-4	3-4	3	4-5	4-5	4	4
	BRILLIANT RED XP-2D	1.85	200	200	◆	◆	3-4	3-4	3-4	3	4	4	4	3-4
	BRILLIANT RED XP-D	2.20	200	200	◆	◇	3	3	3-4	3	4-5	4-5	4	3
	CARMINE XP-D	2.00	200	200	◆	◇	4	4	4	4	4	4	4	4
	BORDEAUX XP-D	1.00	200	200	◆	◆	3-4	3-4	3-4	3	4-5	4-5	4	4
	BRILLIANT BLUE XP	2.30	200	150	◆	◆	4-5	4-5	4	4	4	4	4	3 G/DI
	DEEP SEA BLUE XP	2.73	200	125	◆	◇	4-5	4-5	4	4	4	4	4	3 DI
	BRILLIANT BLUE XP-R SPEC	2.70	200	200	◆	◇	6	6	4+	4+	4-5	4-5	4 G	2-3 DI
	TURQUOISE XP 266%	3.00	200	200	◆	◆	5	5	3	3-4	4	4	4	3 Y
	NAVY XP-G	1.60	200	200	◆	◆	-	3	3	2-3	4-5	4-5	4	3-4
	BLACK XP-G	6.00	200	200	◆	◆	-	4 (6%)	4 (6%)	3-4 (6%)	4	4	4 R	3
	BLACK XP-R	6.00	200	200	◆	◆	-	4 (6%)	4 (6%)	3-4 (6%)	4-5	4-5	4 R	3 R/DI

SD : Standard Depth | PLF* : Perspiration Light Fastness | PF* : Perspiration Fastness | D & CL* : Domestic & Commercial Laundering

CC : Colour Change |SC : Staining on Cotton | G : Grade | ◆ : Suitable |◇ : Not Suitable

Dyeing Process



Dyestuff & Chemical Additions

A	Add Lubricant 0.5-1.0 g/l
A	Add Levelling Agent 0.5-1.0 g/l
A	Add Dye Bath Conditioner 0.5-1.0 g/l
B	Dose Glauber's Salt X g/l
C	Dose Dyestuffs X%
D	Dose Soda Ash(25%) Xg/l
D	Dose Soda Ash(75%) Xg/l
E	Add Acetic Acid Xg/l
F	Add Soaping Agent Xg/l

Salt and alkali recommendations

Soda ash method								
ASAHIFIX® XP	%	< 0.10	0.5	1	2	3	5	≥5
Common Salt	g/l	20	25	40	50	60	70	80
Soda ash	g/l	5	7	10	13	15	20	20

Mixed alkali method								
ASAHIFIX® XP	%	< 0.5	0.5	1	2	3	4	≥5
Common Salt	g/l	20	25	40	50	60	70	80
Soda ash	g/l	8	5	5	5	5	5	5
NaOH (50%)	ml/l	0	0.75	0.90	1.20	1.50	2.00	2.00

Notes:
For critical shades it is recommended to do post salt dyeing.

Asahi Dyes And Chemicals Co. Ltd.
1-14-304, Koyocho-Naka, Higashinada-Ku Postal code: 658-0032 , Kobe, Hyogo-JAPAN
Tel: +81-78-858-6707 | Email: info@asahidyes.jp