



































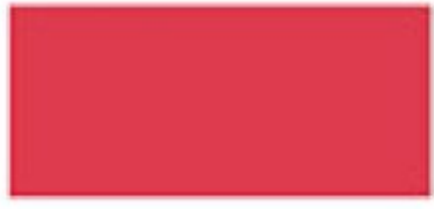














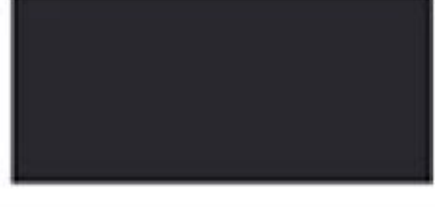






STARFIX "M"

Cold Brand

DYEING		Starfix "M"	General Properties			Fastness Properties				Suitability			
			Affinity	Solubility at 30°C	Dischargability	Day Light 1/1 & 1/6	Perspiration		Acidic	Hypochlorite Bleach	Exhaust at R.T	Printing	
1.0%	4.0%						Washing ISO4	Alkaline				Steam	Silicate
		Yellow M8G Yellow 86	M	80	G	5	5	4	4	2	S	S	NS
		Yellow M4G Yellow 22	H	50	G	4-5	5	4	4-5	1	S	S	NS
		Yellow MGR Yellow 7	H	30	P	6 5-6	4-5	4-5	4-5	4-5	S	S	NS
		Golden Yellow MR Yellow 44	H	80	P	5	5 (5)	4-5 (5)	3 (4-5)	4	S	S	NS
		Yellow M3R Orange 86	H	80	F	6	5	2-3	2-3	4-5	S	S	NS
		Yellow M4R Orange 14	H	100	P	4	5	4	4	3	S	S	NS
		Orange M2R Orange 4	H	100	P	4	5	4	4	3	S	S	NS
		Red M5B Red 2	H	100	F	3-4	4-5	4	4-5	1	S	S	NS
		Red M8B Red 11	H	70	P	3-4	4-5	4	4-5	4	S	S	NS
		Magenta MB Violet 13	H	80	F	3-4	4	3-4	5	3	S	S	NS
		Violet C4R Violet 12	H	60	P	4-5	4-5	3	4	5	S	S	NS
		Blue M2R Blue 81	H	80	P	4-5	4-5	3-4	4	3-4	S	S	NS
		N.Blue M3R	H	80	P	4-5	4-5	3-4	4-5	3-4	S	S	NS
		Blue MR Blue 4	H	80	P	6	5	3-5	4-5	3-4	S	S	NS


















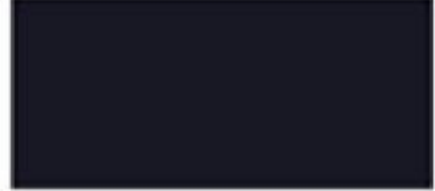
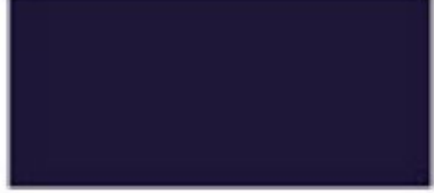
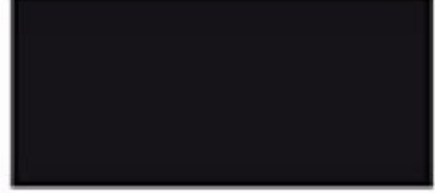








STARFIX "ME"

For warm exhaust for normal fastness with good reproductivity

DYEING		Starfix "ME"	General Properties			Fastness Properties						Suitability				
			Substantivity	Solubility at 30°C	Dischargability	Day Light 1/1	Washing ISO4	Perspiration		Hypochlorite Bleach	Peroxide Bleach	Exhaust 40 C & 60°C	One Bath Pad Batch	One Bath Pad-Dry Steam	Printing	
Alkaline	Acidic							Steam	Silicate							
1.0%	4.0%															
		Yellow ME4GL Yellow 160A	M	100	F	6	4	4-5	4-5	1	4	S	FS	NS	S	S
		G. Yellow MERL Yellow 145	M	100	P	5	3-4	4	4	1	3-4	S	FS	S	S	S
		Orange ME2RL Orange 122	H	75	P	5	4-5	4-5	4-5	3	4	S	S	S	S	S
		Scarlet MEBL	H	90	P	4-5	4-5	4-5	4-5	2-3	3-4	S	S	FS	FS	FS
		Red ME3BL Red 194	H	100	P	5	4-5	4-5	5	2-3	3	S	S	FS	FS	FS
		Red ME4BL Red 195	H	150	P	5	4-5	5	5	1	4	S	S	S	S	S
		Red ME6BL Red 196/250	H	80	P	5	4-5	5	5	1	4	S	S	S	S	S
		Red MERBL Red 198 A	H	100	P	5-6	5	5	5	1	3	S	S	S	S	S
		Red ME3BN Red 180	H	200	P	5	4-5	4	4	5	4	S	S	S	S	S
		Red ME3GL Red 223	M	100	F	4-5	4-5	4	4-5	2	2-3	S	S	FS	FS	FS
		N. Blue ME2GL Blue 194	H	100	F	6	5	5	5	1	3	S	NS	S	FS	FS
		N. Blue BRF Blue 221	H	100	P	5	5	4	4-5	2	3-4	S	S	FS	FS	S
		Blue BF Blue 222	H	100	G	3-4	4-5	5	5	1	3	S	NS	S	FS	FS
		Blue ME2RL Blue 248	H	100	P	4	5	5	5	1	3	S	S	S	S	S

STARFIX "HE"

For hot exhaust economical dyes for standard requirements

DYEING		Starfix "HE"	General Properties			Fastness Properties				Suitability			
			Affinity	Solubility at 30°C	Dischargability	Day Light 1/1 & 1/6	Perspiration		Acidic	Hypochlorite Bleach	Exhaust at R.T	Printing	
1.0%	4.0%						Washing ISO4	Alkaline				Steam	Silicate
		Yellow HE6G Yellow 135	H	70	G	4	5	4	4-5	3	3	S	FS
		Yellow HE3G Yellow 105	H	80	F	5	5	4	4	3	4-5	S	FS
		Yellow HE4G Yellow 81	H	70	G	4	5	4	4-5	3	3	S	FS
		G. Yellow HE4R Yellow 84	H	80	F	5	5	4	4	3	4-5	S	FS
		Orange HER Orange 84	H	60	P	3-4	5	4	3	3	4	S	NS
		Red HE3B Red 120	H	80	P	4	5	4-5	4	3	4	S	NS
		Red HE7B Red 141	H	80	P	3-4 4-5	4	4-5	4	3	4-5	S	FS
		Red HE8B Red 152	H	80	P	3-4	4	4	4-5	2	4-5	FS	NS
		Navy Blue HER Blue 171	H	80	F	4	4-5	5	4-5	3	4-5	S	FS
		Navy Blue HE2R Blue 172	H	80	F	4	4-5	5	4-5	3	4-5	S	FS
		Blue HERD Blue 160	H	80	F	5	5	5	5	1	4-5	S	FS
		Blue HEGN Blue 198	M	50	P	4-5	5	4	4	3	4	5	FS
		Green HE4BD Green 19A	H	80	F	4	3	4	4	2	3	S	FS
		Black HEBL	H	80	F	4	4	5	4	3	4	5	FS





STARFIX "ED"

Multifunctional warm exhaust for deep exhaust for deep shades with cost effective and higher productivity












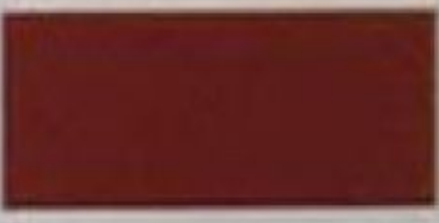






DYEING	Starfix	Light	Washing ISO 4	Acidic Perspiration	Alkaline Perspiration	Hypochlorite Bleach	Peroxide Bleach	Dischargability	Solubility 60°
	Yellow ED-2G	5	5	4	4	4	4	ND	100
	Yellow ED	4	4-5	4	4	4-5	4-5	D	100
	Orange ED-2R	4-5	4-5	4	4	4-5	4-5	ND	100
	Red ED	4-5	4	4	4	3	3	ND	100
	Red ED-3B	4-5	4-5	4-5	4-5	4	4	ND	120
	Red ED-7B	5	5	5	5	4-5	4-5	M	120
	Blue ED	4-5	4-5	5	4	4	4	M	150
	Navy Blue ED	5	4-5	5	5	4	4	M	150
	Black ED	5-6	5	4	4	4	4	D	120
	Black EDG	5	4-5	4-5	5	5	5	D	120
	Black EDR	5	4-5	4-5	4-5	5	5	D	120

STARFIX "RR"

For warm exhaust suitable for medium shades, cost effective & higher productivity







DYEING	Starfix	Light	Washing ISO 4	Acidic Perspiration	Alkaline Perspiration	Hypochlorite Bleach	Peroxide Bleach	Dischargability	Solubility 60°
	Yellow RR	4	4-5	4	4	4-5	4-5	D	100
	Orange RR	4-5	4-5	4	4	4-5	4-5	ND	100
	Red RR	4	4	3-4	3-4	3-4	4	ND	100
	Blue RR	4-5	4-5	5	4	4	4	M	150

STARFIX "HXCL"

STARFIX "HXCL"		Starfix "HXCL"	Solubility in DM Water (Grams/Lit.) (At 30°C Temperature)		Solubility with 60 G/L Salt (grams/Lit.) (At 30°C Temperature)		Light Fastness (1-8 Gray Scale Rating) (ISO - 105 - B02)		Washing Fastness (ISO -105 - C03 Method) (60°C - 30') (5 g/l Soap + 3 g/l Soda)				Rubbing Fastness (ISO -105 -X12 Method) (10 Strokes - To & Fro) (Crock meter)				Perspiration Fastness Acidic - ph - 5.5 (ISO - 105 - E04) (37 C Temp -4 hrs)		Perspiration Fastness Alkaline -ph 8.0 (ISO -105 - E04) (37 C Temp -4 hrs)		Chlorinated Water Fastness (ISO - 105 - E03) (20 ppm) (27 C Temp -1 hrs)	
DYEING			0.5% Depth	3.0% Depth	1% Depth		4% Depth		1% Depth		4% Shade		4% Shade		4% Shade		4% Shade					
1.0%	4.0%				Effect	Stain	Effect	Stain	Dry	Wet	Dry	Wet	Effect	Stain	Effect	Stain	Effect	Stain				
			Lemon Yellow HXCL	100	60	4-5	5-6	5	5	4-5	4-5	5	4-5	4-5	4	4	4-5	4	4-5	3	4-5	
		Yellow HXCL	100	65	4-5	5	5	4-5	4-5	4	5	4-5	4-5	4	4	4	4	4	3	4-5		
		Orange HXCL	40	25	3-4	5	5	4-5	4	4	5	4-5	4-5	3	4-5	4-5	4-5	4-5	2-3	3		
		Red HXCL	150	100	4	5	5	4-5	4-5	4	4-5	4	4	3	4	4-5	4	4	3-4	4		
		Brill. Red HXCL	150	100	4	5-6	5	4-5	4-5	4	4	3-4	4	3	4-5	4	4	4	2-3	3		
		Brown HXCL	80	60	4-5	5-6	5	4	4-5	4	5	4-5	4-5	4	4	4	4	4-5	1	4-5		
		Blu HXCL	60	40	3	4-5	4-5	4-5	4-5	3-4	4-5	4	3	2-3	5	4-5	5	4-5	2-3	4-5		
		Navy Blue HXCL	100	60	3-4	4-5	4-5	4	4	3-4	4-5	3-4	4	3	4-5	4	4-5	4	3	4-5		
		Black HXCL	100	60	3	4-5	4-5	4	4	3-4	4-5	4	4-5	3-4	4-5	4-5	4-5	4-5	2	4		





STARFIX "RGB"

For warm exhaust and pad dyeing, economical for medium to dark shades

DYEING	Starfix	Light	Washing ISO 4	Acidic Perspiration	Alkaline Perspiration	Hypochlorite Bleach	Peroxide Bleach	Dischargability	Solubility 60 ^o
4 %	 Yellow RGB	4-5	4-5	5	4-5	2	2	M	100
	 Orange RGB	4-5	4-5	4	4	4-5	4-5	M	100
	 Red RGB	4-5	4-5	4-5	4-5	4	4	ND	120
	 Deep Red RGB	4-5	4	4	4-5	4	4-5	ND	120
	 Navy RGB	5	5	5	5	3	3	D	120
	 Deep Black RGB	4	4	4	4	3-4	3-4	D	100










STARFIX "Ultra RGB"

Multifindtional warm exhaust and pad dyeing, economical for dark shades

 Ultra Yellow RGB	4	4-5	5	5	4	4	D	100
 Ultra Orange RGB	5	4-5	4-5	4-5	5	5	D	100
 Ultra Red RGB	5	4-5	4-5	5	3-4	4-5	ND	100
 Ultra Carmine RGB	5	4-5	4-5	5	3-4	4-5	ND	100

STARFIX "Blacks"

For warm exhaust and pad dyeing high quality, high performance, economical & most suitable Blacks

DYEING	Starfix	Light	Washing ISO 4	Acidic Perspiration	Alkaline Perspiration	Hypochlorite Bleach	Peroxide Bleach	Dischargability	Solubility 60 ^o
6 %	 Black WNN	4-5	5	5	5	3-4	3-4	D	150
	 Black SN	4-5	5	5	5	3-4	3-4	D	150
	 Black CLS	4-5	5	5	5	3-4	3-4	D	150
	 Black GSP	4	4	4-5	4-5	3-4	3-4	D	120
	 Black HFGR	4	5	5	5	3-4	3-4	ND	150
	 Black SJ	4	5	5	5	3-4	3-4	D	120
	 Black JNN	3-4	4	4	4	3-4	3-4	D	140
	 Black N150	3-4	5	5	5	3-4	3-4	D	150
	 Black XL	4-5	5	5	5	3-4	3-4	D	150





















STARFIX "VS"

For warm exhaust and dying with excellent wet fastness

DYEING		Starfix "VS"	General Properties			Fastness Properties					Suitability				
			Substantivity	Solubility at 30°C	Dischargability	Day Light 1/1 & 1/6	Washing ISO4	Perspiration		Hypochlorite Bleach	Exhaust 40 C & 60°C	One Bath Pad Batch	One Bath Pad-Dry Steam	Printing	
Alkaline	Acidic							Steam	Silicate						
1.0%	4.0%														
		Yellow FG Yellow 42	L	100	G	4 5	5	5	5	1	FS	S	S	S	S
		Yellow GL Yellow 37	H	80	G	6	4 5	5	5	2-3	S	S	S	S	FS
		G.Yellow G Yellow 17	H	100	G	4-5 6	5	5	5	1	S	S	S	S	FS
		Yellow GR Yellow 15	H	100	G	4-5 6	5	5	5	1	S	S	S	S	FS
		G.Yellow RNL Orange 107	M	100	G	4-5 5	4-5	5	5	1	S	S	S	S	S
		Yellow H7GL Yellow 57	H	200	G	5	5	5	5	5	S	S	S	S	S
		G.Yellow R Yellow 77	H	150	G	4-5 4	4-5	4	4	1-2	S	S	FS	FS	S
		Yellow RTN Yellow 24	H	80	G	4 4-5	4-5	4	4-5	2-3	S	FS	S	FS	S
		Orange 3R Orange 16	H	80	G	5 6	4-5	4-5	4-5	1	S	NS	S	S	S
		Red BS Red 111	H	80	G	5 6	4-5	4-5	4-5	1	S	NS	S	S	S
		Red C2G Red 106	L	80	G	3-4 4	5	5	5	1	FS	S	S	S	S
		Red BB Red 21	M	100	P	5	5	4-5	4-5	4	S	S	S	S	S
		Red RB Red 198	M	100	F	5	4-5	4	4-5	4	S	S	S	S	S
		Red 5B Red 35	L	80	G	3-4	5	5	5	1	FS	S	S	S	S

STARFIX "VS"

For warm exhaust and dying with excellent wet fastness

DYEING		Starfix "VS"	General Properties			Fastness Properties					Suitability				
			Substantivity	Solubility at 30°C	Dischargability	Day Light 1/1 & 1/6	Washing ISO4	Perspiration		Hypochlorite Bleach	Exhaust 40 C & 60°C	One Bath Pad Batch	One Bath Pad-Dry Steam	Printing	
Alkaline	Acidic							Steam	Silicate						
1.0%	4.0%														
		Violet 5R Violet 5	M	100	P	5-6	4 7	5	5	2	S	S	S	S	FS
		Blue 3R Blue 28	H	80	G	6	4-5	4-5	4-5	3	S	S	S	S	S
		Blue BB Blue 220	M	100	G	4-5 5	5	4	4-5	2-3	FS	S	FS	FS	S
		N.Blue RGB Blue 250	M	100	F	4-5	4-5	4-7	4-5	2-3	S	S	FS	FS	S
		N.Blue H2GLN Blue 203	H	100	G	4	4-5	4	4-5	2-3	S	S	FS	FS	S
		Brown GR Brown 18	M	80	G	5-6	5	5	5	1	S	S	S	S	S
		Blue R Blue 19	L	150	F	4-5	5	5	4-5	4	FS	S	FS	FS	S
		T.Blue G Blue 21	H	80	P	6	4-5	4-5	4-5	3	S	S	S	S	S
		Black RL Black 31	H	100	F	6	5	5	5	1	S	S	S	S	S
		Black B Black 5	VH	150	G	4	5	5	5	1	S	S	S	S	S

STARFIX "Mix"

Mehandi MR

New Mehandi

Mehandi Green

SEA-GREEN

OLIVE GREEN

PARROT GREEN

CHATNI

NEW CHATNI

KHAKHI RL

NEW MUSTER

NEW MAROON

NEW BROWN GR

RED BROWN GR

RED ROSE

NEW ROSE

CHIKU BISCUIT

COFFEE RL

DARK BLUE

STARFIX "P"

PRINTING		Starfix "P"	C.I. Number	General Properties				Fastness Properties					Suitability				
				Affinity	Solubility at 20°C	Dischargability	Day Light 1/1 & 1/6	Washing ISO4	Alkaline	Acidic	Perspiration Hypochlorite Bleach	Exhaust 40 C & 60°C	One Bath Pad Batch	One Bath Pad-Dry Steam	Printing Steam	Silicate	
1.0%	4.0%																
		Yellow P6GS	Y. 95	M	100	F	4 5	4-5	5	4	3	-	+	+	+	+	
		Yellow P4G	Y. 18	L	80	G	5-6 6-7	5	4-5	5	1	(+)	+	+	+	+	
		G.Yellow PR	O. 12	H	100	F	5 6	5	5	5	3	(+)	+	+	+	+	
		Orange P2R	O. 13	H	100	M	3-4 4-6	5	5	4	4	(+)	+	+	+	+	
		Red P4B	R. 245	H	100	P	4 4-5	4-5	4-5	4-5	3-4	(-)	+	+	+	+	
		Red P4BN	-	H	100	P	4 4-5	4-5	4-5	4-5	3-4	(-)	+	+	+	+	
		Red P6BX	R. 76	H	60	P	4 3-4	3	4	4-5	3-4	(+)	+	+	+	+	
		Red P8B	R. 31	H	100	P	4 4	5	4	4	3-4	(+)	+	+	+	+	

