

Meactive[®] "PX" Series



















" DYES FOR VIBRANT & SHARP PRINTING APPLICATIONS"



MEACTIVE PX DYES ON COTTON

(1.0%)

(3.0%)

		Solubility g/l	Light Fastness		Washing Fastness ISO/105/C04		Perspiration Acidic ISO/105/E04		Perspiration Alkaline ISO/105/E04		General Fastness		
			ISO/105/BO2		Effect	Stain	Effect	Stain	Effect	Stain	Chlorinated Water 20 mg/lit.	Dry Rubbing	Wet Rubbing
			1/6	1/1									
		150	5-6	6	5	5	5	5	5	5	4-5	4-5	4
		150	5	6	5	5	5	4-5	5	4-5	4	4-5	4
		150	5	6	4-5	4-5	4-5	4-5	4-5	4-5	--	4-5	4
		150	3-4	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4
		200	4	5-6	4-5	4-5	4-5	4	4-5	4	4-5	4-5	3-4
		200	4	5-6	4-5	4-5	4-5	4	4-5	4-5	4-5	4-5	3-4
		150	4	5	4-5	4-5	4-5	4	4-5	4	4	4-5	3-4
		200	3-4	4	4-5	4	4-5	4-5	4-5	4-5	3	4-5	4
		150	5	6	4-5	4-5	4	4	4	4	4	4-5	3-4

MEACTIVE PX DYES ON COTTON

(1.0%)

(3.0%)

		Solubility g/l	Light Fastness		Washing Fastness ISO/105/CO4		Perspiration Acidic ISO/105/EO4		Perspiration Alkaline ISO/105/EO4		General Fastness			
			ISO/105/BO2		Effect	Stain	Effect	Stain	Effect	Stain	Chlorinated Water 20 mg/lit.	Dry Rubbing	Wet Rubbing	
			1/6	1/1										
		Blue PX-3R	200	5	6	4-5	4-5	4-5	4-5	4-5	4-5	2	4-5	4
		Brill. Blue PX-5R	120	5	6	4-5	4-5	4-5	4-5	4-5	4-5	2	4-5	4
		Navy Blue PX-R	150	3-4	5	4-5	4-5	4-5	4-5	4-5	4-5	4	4-5	3-4
		Navy PX-G	150	3-4	5	4-5	4-5	4-5	4-5	4-5	4-5	4	4-5	3-4
		Red Brown PX-4R	100	5	6	4	3-4	4-5	4	4	3-4	4-5	4-5	4
		Turq. Blue PX-3GF	150	4-5	5-6	4-5	3-4	4-5	3-4	4-5	3	3	4-5	3-4
		Turq. Blue PX-GR	80	4-5	5-6	4	3	4	3-4	4-5	4-5	3	4-5	3-4
		Grey PX-N	100	5	6	4-5	4	4-5	4	4-5	3-4	3-4	4	4
		Black PX-GR	150	4	5	4-5	4-5	4-5	4-5	4-5	4-5	4	4-5	3-4

General Process For Printing :-

Fabric Pretreatment → Paste prepare → Printing → Drying
 Steaming → Washing off → Drying.

Paste recipe :-

Thickner	X
Alkali	15 - 30
Urea	50 - 200
Dyestuff	Y
Resist salt	10
Water	Z
	<hr/>
	1000 Parts

Steaming at 103°C - 105°C
for 8-10 minutes

Chemical Recommendation for printing :-

Meactive "P" Dyes	>10	10-30	30-60	>60
Alkali (NaHCO₃)	15	20	25	30
Urea	50	50-75	75-100	100-200

Application of MEACTIVE P dyes :-

- Direct printing
- Resist printing
- Pad bake dyeing - continuous
- Two-Phase Printing

Recommondation for two-phase printing

- X - Parts Meactive dyes
- 20 - Parts Hot Water
- Y - Parts neutral alginate or any other suitable thickener.
- 2-4 - Parts Resist Salt

100 Parts

In two Phase Printing method, Alkali is not added in Printing Paste

Printing → Drying → Nip - Padding with Sodium Silicate (101°-104° TW)
 Batching → Washing off → Drying

Chemical recommendation for pad baking. (1000 Parts)

Meactive "P" Dyes	>10	10-30	30-60	>60
Na₂CO₃	15	15	15	20
NaHCO₃	15	20	25	30
Urea	50	50-75	75-100	100-200

MEACTIVE " P " dyes are designed especially for cotton / viscose printing having very high level of fastness and brightness. Being low substantive dyestuff it gives no or very low staining on white ground.

Salient features of MEACTIVE "P "DYES :-

- Comprehensive range of dyes.
- Brilliant shades
- High solubility, easy to dissolve
- Very good paste stability
- Meets standard fastness requirement
- Consistency in application
- Easy wash off

Meactive P dyes selection for combination

Pale shades
Yellow PX6G
Golden Yellow PXR
Red PX4B
Blue PX3R
Grey PXN

Medium shades
Yellow PX4G.
Golden Yellow PXR
Blue PX5R
Blue PX3R
Red PX4B.
Red PX6B.
Magenta PXB.

Dark shades
Golden Yellow PXR.
Navy PXR / PXG.
Red PX6B.
Black PXGR.

Bright Green Shades
Turquoise Blue PX3GF
Yellow PX6G



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