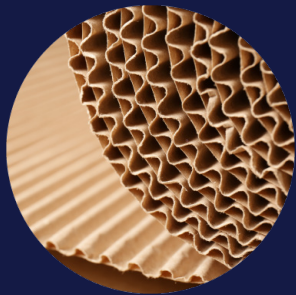




PAPER Colorants & Additives



Direct Liquid Dyes

For over two decades, ChromaScope has led the industry in supplying the highest quality colorants and chemicals to the paper industry. Our network for global sourcing allows us to address marketplace challenges that demand new solutions which focus on ways to optimize paper coloring techniques. ChromaScope is focused on supplying our paper customers the highest quality products at cost effective pricing.

To survive in today's competitive marketplace our commitment does not end when your order is shipped. We back up all of our products with know-how. Whether it is product testing, shade matching, application expertise, color training or product development, ChromaScope is ready to serve you. Our sales force and our laboratories are staffed with experienced technical professionals who can assist with any technical problem our paper customers may experience today.

We offer seminars and training sessions for mill personnel either at your site or in our technical facility located in Piedmont, South Carolina.

Colorant Selection Process and Application















No matter what the requirement, ChromaScope will be happy to evaluate your particular color application. Our technical staff will guide you through color selection, shade matching and physical testing criteria. We can assist in any process application from batch or continuous coloring to automated size press color correction. Whether you are tinting whites or deep dyeing tissue, ChromaScope has the experience to service and supply any colorant approach for paper.

Direct Liquid Dyes

ChromaScope offers a full range of liquid direct dyes that compliment our comprehensive powder line. Our liquid dyes are used in virtually all areas of paper manufacturing due to their physical form, ease of handling, elimination of dusting and suitability for systems with on-line color control.



lbs/ton	Description	Shade	Ionic Character	Fiber Affinity	Light Fastness	Bleachability	Bleed-fastness	Two Sideness	FDA/ Pre 58 Comp	Specific Gravity	pH
20	Pontamine Yellow GXG LQ	●	Anionic	Good	Good	Very Poor	Very Good	Top/Even	Yes	1.10	8.0-9.0
20	Pontamine Yellow SGD LQ	●	Anionic	Good	Good	Good	Very Good	Even	Yes	1.06	7.5-8.5
20	Pontamine Yellow GGN LQ	●	Anionic	Good	Good	Good	Fair/Good	Even/Bottom	No	1.10	9.0-10.0
20	Pontamine BR Yellow 5GA LQ	●	Anionic	Good	Good	Very Good	Fair	Even/Bottom	No	1.06	7.5-8.5
20	Pontamine Golden Yellow RB LQ	●	Anionic	Good	Good/Very Good	Excellent	Poor	Even/Bottom	No	1.06	7.0-8.0
20	Pontamine BR Flavine 6GN LQ	●	Anionic	Good	Poor	Good	Fair	Even/Bottom	No	1.08	6.0-7.0
20	Pontamine Bond Yellow 303 LQ	●	Anionic	Good	Very Good	Very Good	Fair	Even/Bottom	No	1.06	7.0-8.0
20	Pontamine Kraft Orange A LQ	●	Anionic	Good	Good	Poor	Very Good	Even	Yes	1.06	7.0-8.0
20	Pontamine Orange BW LQ	●	Anionic	Good	Good	Good/Very Good	Good	Even	Yes	1.06	7.0-8.0
20	Pontamine BR Orange 2R LQ	●	Anionic	Good	Good	Very Good	Good	Even	No	1.06	4.5-5.5
20	Pontamine Fast Red 8BLX LQ 02	●	Anionic	Excellent	Good	Fair/Good	Fair/Good	Even/Bottom	Yes	1.10	6.0-7.0
20	Pontamine Fast Scarlet 4B LQ	●	Anionic	Excellent	Good	Excellent	Excellent	Even	No	1.08	7.0-8.0
20	Pontamine Fast Red 9B LQ	●	Anionic	Good	Good	Excellent	Good	Even/Bottom	No	1.08	8.0-9.0
50	Pontamine Red SERN CONC LQ	●	Anionic	Poor	Fair	Excellent	Excellent	Even	No	1.10	8.0-9.0

lbs/ton	Description	Shade	Ionic Character	Fiber Affinity	Light Fastness	Bleach-ability	Bleed-fastness	Two Sideness	FDA/ Pre 58 Comp	Specific Gravity	pH
20	Pontamine BR Violet BN LQ		Anionic	Very Good	Good	Very Good	Very Good	Even	Yes	1.06	7.0-8.0
20	Pontamine Violet 6B LQ		Anionic	Very Good	Good	Good	Excellent	Even	No	1.10	9.0-10.0
20	Pontamine Blue 3R LQ		Anionic	Good	Excellent	Poor	Fair	Top/Even	Yes	1.10	9.0-10.0
20	Pontamine Turq 86 LQ		Anionic	Poor	Good	Fair/Good	Very Good	Top	No	1.09	9.0-10.0
20	Pontamine BR Blue A LQ		Anionic	Poor	Very Good	Excellent	Excellent	Top	No	1.10	8.0-9.0
20	Pontamine Bond Blue B LQ		Anionic	Good	Excellent	Excellent	Very Good	Even	No	1.08	9.0-10.0
20	Pontamine Blue GTB LQ		Anionic	Very Good	Good	Very Good	Very Good	Top	No	1.10	9.0-10.0
20	Pontamine Blue SPN LQ		Anionic	Good	Fair	Excellent	Fair	Even	No	1.10	8.0-9.0
20	Pontamine Blue BT LQ		Anionic	Good	Fair/Good	Excellent	Good	Top	No	1.10	8.0-9.0
50	Pontamine Black GW-L		Anionic	Good	Very Good	Good	Excellent	Top/Even	No	1.09	8.0-9.0
50	Pontamine Black SMW-L		Anionic	Good	Good	Good	Excellent	Top/Even	No	1.09	8.0-9.0
50	Pontamine Black LF Liq		Anionic	Good	Good	Good	Excellent	Top/Even	No	1.09	8.0-9.0
50	Pontamine Black 81-L		Anionic	Good	Fair	Good	Fair	Top/Even	No	1.09	8.0-9.0
50	Pontamine Black FP-L		Anionic	Good	Good	Good	Excellent	Top/Even	Yes	1.09	8.0-9.0
50	Pontamine Black ESE-L		Anionic	Good	Good	Good	Excellent	Top/Even	No	1.09	8.0-9.0

Legal Disclaimer: We do not guarantee performance and the user should perform their own testing to assess suitability in their application. User assumes all other risk and liability resulting from use of this product. No claims, representations or warranties, whether express or implied, are made by our company as to the safety, reliability, durability and performance of any of our company's products. In no event shall our company be liable for any direct, indirect, punitive, incidental, special consequential damages, to property or life, whatsoever arising out of or connected with the use or misuse of our products.



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