

P E N N C O L O R ' S I N K J E T
ESSENTIALS

DIGITAL PRINTING GOES BRIGHTER. BOLDER. BETTER.



MUCH HAS CHANGED IN THE

digital printing market over the past 25 years.

Penn Color has been there every step of the way, providing unique and creative coloring solutions to help our customers stay ahead of the curve.

Each year the digital printing market demands more vibrant colors that perform at higher levels in more demanding applications. Penn Color responds to these dynamic requirements with innovative, industry-leading manufacturing and formulation techniques that raise the bar for pigment preparations.



B R I G H T E R . B O L D E R . B E T T E R .

Color Solutions for the Digital Printing Market.

Our new, highly-loaded ink jet essentials are designed to allow the digital ink producer broad formulation latitude, while maintaining low ink viscosities, submicron particle sizes and very narrow particle size distributions.

The end result – greater color saturation, more transparency, gloss and better overall performance.

Penn Color's new product line provides tremendous stability and maximum flexibility for use in a variety of wide, super wide and grand format digital printing applications. Specially formulated by Penn Color to produce superior results, ink manufacturers will find these pigment preparations have the quality, consistency and durability to meet, or exceed, their coloring needs.

A full palette of colors is available for meeting most color gamut requirements. Penn Color's comprehensive line of ink jet essentials includes colors for both

high performance outdoor end use and low cost, limited durability products. These preparations can be readily incorporated into ink formulations using typical ink mixing techniques.

For more information on these and other pigment dispersions for solvent borne, UV curable and water-based systems, contact your local technical sales representative.



COPOLYMER VINYL CHIP DISPERSIONS

Higher Gloss and Transparency.
Greater Performance. Superior Value.

COLOR INDEX	CODE	PIGMENT %	COLOR DESCRIPTION
BLACK 7	80B1367CT	50%	Carbon Black
BLUE 15:3	80S1370CT	50%	Green Shade PCN Blue
YELLOW 110	80Y1398CT	50%	High Performance Red Shade Yellow
YELLOW 151	80Y1363CT	50%	Green Shade Yellow
YELLOW 150	80Y1456	50%	High Chroma Green Shade Yellow
YELLOW 155	80Y1246C	50%	High Performance Green Shade Yellow
YELLOW 14	80Y1423	50%	Process Green Shade Yellow
RED 202	80R1361CT	60%	High Performance Blue Shade Quinacridone
VIOLET 19	80R1413	55%	High Strength Medium Shade Quinacridone
BLEND	80R1403	60%	High Performance Red Shade Magenta
RED 254	80R1463	45%	Mid Shade, High Strength Red for Shading
RED 52:1	80R1380CT	55%	Process Blue Shade Magenta

The performance of Penn Color, Inc. dispersions may vary due to the composition and applications of the final products in which they are used. It is therefore essential that they be thoroughly tested in their intended application prior to commercialization. Penn Color, Inc. does not make any warranties with respect to the merchantability or fitness for a particular purpose of any products sampled. Fitness for use must be determined and verified by the finished product formulator and will not be the liability of Penn Color, Inc. Any samples requested are proprietary to and contain confidential information of Penn Color, Inc. and should not be analyzed or given to a third party.



SOLVENT P A S T E S

Eco Friendly Pastes in
n-Pentyl Propionate/Ethyl Diglyme



COLOR INDEX	CODE	PIGMENT %	COLOR DESCRIPTION
BLUE 15:4	10S1461	13%	Green Shade PCN Blue
YELLOW 155	10Y1465	13%	High Performance, High Chroma Green Shade Yellow
BLEND	13R1555	15%	Medium Shade High Performance Process Magenta
BLACK 7	10B1466	13%	Carbon Black

Paste in EB Acetate

COLOR INDEX	CODE	PIGMENT %	COLOR DESCRIPTION
BLUE 15:4	10S1266D	19%	Green Shade PCN Blue
YELLOW 155	10Y1267D	19%	High Performance Green Shade Yellow
YELLOW 150	16Y1873	15%	High Performance, High Chroma Green Shade Yellow
VIOLET 19	13R1302D	18%	High Performance Medium Shade Magenta
RED 122	16R1758	17%	High Performance Blue Shade Magenta
BLACK 7	10B1268D	15%	Carbon Black

EB/Cyclo Blend

COLOR INDEX	CODE	PIGMENT %	COLOR DESCRIPTION
BLUE 15:4	10S1229D	16%	Green Shade PCN Blue
YELLOW 155	10Y1176	18%	High Performance Green Shade Yellow
BLEND	13R1537D	20%	High Performance Medium Shade Magenta
BLACK 7	10B1201	16%	Carbon Black

UV CURABLE P A S T E S

((PO)NPGDA)

COLOR INDEX	CODE	PIGMENT %	COLOR DESCRIPTION
BLUE 15:4	9S1494	35%	Green Shade PCN Blue
YELLOW 150	9Y1465	40%	High Performance, High Chroma Green Shade Yellow
BLEND	9R1519	30%	High Performance Medium Shade Magenta
BLACK 7	9B989	45%	Carbon Black
WHITE 6	9W892	75%	Titanium Dioxide

(DPGDA)

COLOR INDEX	CODE	PIGMENT %	COLOR DESCRIPTION
BLUE 15:4	9S1477	30%	Green Shade PCN Blue
YELLOW 154	9Y1386	30%	Green Shade Yellow
VIOLET 19	9R938D	25%	High Performance Medium Shade Magenta
BLACK 7	9B1087	30%	Carbon Black
WHITE 6	9W1100	75%	Titanium Dioxide





GREEN

IS ONE OF OUR FAVORITE COLORS

PENN COLOR HAS INVESTED

both time and resources into becoming a more earth-friendly company by developing initiatives that have resulted in a number of reductions in energy use and waste disposal.

Team members with responsibilities in Environmental Management, Chemical Engineering, Process Engineering and Mechanical Engineering work closely with plant management to identify where production can be improved and waste can be reduced.

We also provide training for key employees to qualify in Six Sigma and Lean Manufacturing Production Practices.

PENN COLOR'S EARTH-FRIENDLY INITIATIVES INCLUDE:

- Utilization of heat exchangers on process equipment to provide heat in some facilities
- Installation of Regenerative Thermal and Catalytic Oxidizers to significantly reduce volatile organic compounds and hazardous air pollutants

- Installation of energy-efficient lighting along with motion sensors at selected locations
- Recycling of paper, cardboard packaging, scrap metal and other waste for use as a secondary fuel
- Reuse of cardboard gaylords, steel drums and other by-products of the manufacturing process
- Improved inventory programs to track raw materials and finished products to ensure they do not exceed shelf life
- Process improvements that result in better product quality and reduced process time
- Working with our customers to promote low or no VOC products, through the use of vegetable and aqueous based polymers and diluents
- Formulating products that will optimize the conversion of solar energy
- Improved utilization of manufacturing floor space and existing equipment reducing the need for additional equipment and energy usage

For more information, visit our website.



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