

Pearlescent pigments are added to solvent-based and UV-curable screen printing ink systems to provide a metallic finish depending on pigment load, background color and viewing angle. Pearlescent powders are very transparent; therefore they can change shade significantly with the substrate color or any underlying color. These pigments can be combined with transparent colors to provide additional effects.

USES Pearlescent pigments can be used with Nazdar solvent-based and UV-curable ink series.

USER INFORMATION

While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. See full disclaimer at the end of the document.

MESH Match the screen mesh to the particle size of the pigment. When the mesh opening is too small, larger pigment particles are blocked from passing through the screen and onto the substrate, eventually blocking the ink. See the 'Product Listing' section to match particle size to the mesh count/mesh opening. Keep in mind, the particle size range is given; most of the particles fall in the mid-range size.

Reference your mesh manufacturer's guidelines as to the mesh count, thread diameter, and mesh open area.

PIGMENT LOAD Add up to 20% pigment by weight depending on the ink system, mesh count, adhesion, cure, and desired effect.

When inks are to be printed over Pearlescent colors, the overprinting ink(s) must be evaluated for intercoat adhesion before proceeding with the production run. To maximize intercoat adhesion over Pearlescent colors, we recommend that Pearlescent colors be printed as late as possible in the print sequence. Pearlescent pigments can be combined with Multi-Chromatic and Interference pigments to create numerous of effects. Higher pigment load may require higher cure levels. Test adhesion properties when determining pigment load.

MIXING CLEAR Pearlescent pigments are intended to be used with mixing clear or metallic mixing clear.

STORAGE Tightly closed in dry area.

HANDLING Inhalation is the primary route of exposure and irritation with Pearlescent pigments. Therefore, it is recommended that all personnel mixing and handling these products minimize the creation of dust. If pigment is inhaled, seek fresh air and consult a doctor if feeling unwell. Consult the Pearlescent Material Safety Data Sheet for further instructions and warnings.

PRINTED MATERIALS *Special Effects Color Card (CARDSPL)*: provides screens printed samples and visual reference of the Pearlescent pigments over white and black backgrounds.

Non-Metallic Pantone® Simulations Sheet (LIT0121): shows representations of the 871c to 877c Pantone® Metallic color matches using pearlescent pigments.

PACKAGING

All pigments are available in 1 pound containers.

Stock Number	Silver Pearlescent	Particle Size Range (microns)	Stock Number	Pantone® Metallic Simulation Pearlescent (Auto Grade)	Particle Size Range (microns)
SIPI453	123 Bright Luster Satin	5-25	SIPI536	Card Silver BN001	4-48
SIPI423	100 Silver Pearl	10-60	SIPI519	9307 SW Gold Auto Grade	10-60
SIPI420	103 Rutile Sterling Silver	10-60	SIPI520	9520 SW Bronze Auto Grade	10-60
Stock Number	Gold Pearlescent	Particle Size Range (microns)	Stock Number	Pantone® Metallic Simulation Pearlescent (Non-Auto Grade)	Particle Size Range (microns)
SIPI452	323 Royal Gold Satin	5-25	SIPI518	520 Bronze Satin	5-25
SIPI543	302 Satin Gold	5-25	SIPI530	305 Solar Gold	10-60
SIPI417	300 Gold Pearl	10-60			
Stock Number	Red / Bronze Pearlescent	Particle Size Range (microns)			
SIPI518	520 Bronze Satin	5-25			
SIPI419	502 Red-Brown	10-60			
SIPI471	504 Red	10-60			

AVAILABILITY

Additional products are available upon request as special order. The products listed are standard products and included in the Specialty Effects Color Card.

Nazdar stands behind the quality of this product. Nazdar cannot, however, guarantee the finished results because Nazdar exercises no control over individual operating conditions and production procedures. While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed item's entire life-cycle from printing, post-print processing, and shipment to end-use. This product has been specially formulated for screen printing, and it has not been tested for application by any other method. Any liability associated with the use of this product is limited to the value of the product purchased from Nazdar.

Based on information from our raw material suppliers, these products are formulated to contain less than 0.06% lead. If exact heavy metal content is required, independent lab analysis is recommended.

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