

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 most Nazdar solvent-based and UV-curable screen ink series.

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. Reference the 'Quality Statement' at the end of this document.

User Information

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/Additive 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, metallic mixing clear or highly transparent colors.

Storage

Tightly closed in a dry area.

General Information

Ink 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 (product) Material Safety Data Sheet (MSDS) for further instructions and warnings. Obtain MSDS from www.nazdar.com.

Color Card Materials

The following is a list of available screen printed sample literature representing pearlescent additives.

Special Effects Color Card (CARDSPL): shows various special effect pigments mixed with clear.

Packaging / Availability

Contact your Nazdar distributor for product availability and offering.

Standard Items

Standard items listed below are inventoried in 1 pound containers.

Gold Pearlescent

Item Number	Color	Particle Size (micron range)
SIPI519	9307 SW Gold Auto Grade	10-60
SIPI530	305 Solar Gold	10-60
SIPI543	302 Satin Gold	5-25

Nazdar Pearlescent Specialty Pigments

Silver Pearlescent

Item Number	Color	Particle Size (micron range)
SIPI420	103 Rutile Sterling Silver	10-60
SIPI423	100 Silver Pearl	10-60
SIPI453	123 Bright Luster Satin	5-25
SIPI536	Card Silver BN001 Auto Grade	4-48
SIPI574	6103 Icy White Silver	4-40

Red/Bronze Pearlescent

Item Number	Color	Particle Size (micron range)
SIPI419	502 Red-Brown	10-60
SIPI471	504 Red	10-60
SIPI518	520 Bronze Satin	5-25
SIPI520	9520 SW Bronze Auto Grade	10-60

Nazdar Quality Statement

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®.

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Screen Ink Additive