

Interference pigments are powders added to solvent-based and UV-curable clear or highly transparent screen printing ink to provide a hue changing appearance when printed over a white background, or a color-intense metallic finish when printed over a black background.

Uses

- Interference pigments are used with Nazdar solvent-based and UV-curable clear and transparent inks.

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

Interference pigments range in size from 10-60 microns; most particles are mid-range size. 230-305 tpi mesh (90 – 120 tpcm) can be used. Match the mesh count to the particle size of the pigment; higher mesh counts may produce more blocking of the mesh with longer print runs.

Pigment/Additive Load

Mix up to 20% pigment by weight depending on ink system, mesh count, adhesion, cure, and desired effect. Higher pigment loads may require higher cure levels. Test adhesion properties when determining pigment load.

Interference pigments are intended to be used with mixing clear, metallic mixing clear, overprint clear, or highly transparent colors. Interference pigments can be combined with pearlescent and multi-chromatic pigments to create customized effects.

Printing

When inks are to be printed over interference colors, the overprinting ink(s) must be evaluated for intercoat adhesion before proceeding with the production run. To maximize intercoat adhesion over interference colors, Interference colors should be printed as late as possible in the print sequence.

Storage

Store tightly closed in dry area. Interference pigments Powder items are useable for a period of at least 12 months from the date of manufacture. To obtain the shelf life for special

inks and additives, contact Nazdar Customer Service or Nazdar Technical Service - see contact listing at the end of this document. Contact Nazdar Technical Service at InkAnswers@nazdar.com, for any questions.

General Information

Ink Handling

Inhalation is the primary route of exposure and irritation with Interference 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 applicable [Safety Data Sheet](#) (SDS / MSDS) for further instructions and warnings.

For assistance on a wide range of important regulatory issues, consult the Regulatory Compliance Department link at <http://www.nazdar.com> or contact Nazdar Ink Technologies - World Headquarters (see contact listing at the end of this document).

Color Card Materials

Special Effects Color Card (CARDSPL): provides screen printed samples and visual reference of the interference pigments mixed in clear over white and black backgrounds.

Packaging / Availability

Contact your Nazdar distributor for product availability and offering.

Standard Items

Standard items listed below are inventoried in 1 pound containers.

Item Number	Color
SIPI544	Ultra Gold
SIPI545	Ultra Red
SIPI546	Ultra Copper
SIPI547	Ultra Lilac
SIPI548	Ultra Blue
SIPI549	Ultra Green

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