

Interference pigments are added to solvent-based and UV-curable screen printing ink systems to provide a subtle hue changing appearance when printed over a white background or a color-intense metallic finish when printed over a black background. These pigments can be combined with transparent colors to provide additional effects.

**USES** Interference 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 mesh count 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. The standard Interference pigments available range in size from 10-60 microns; most particles are mid-range size. 230-305 tpi mesh (90 – 120 tpcm) can be used; higher mesh counts may produce more blocking of the mesh with longer print runs.  
Reference your mesh manufacturer's guidelines as to the mesh count, thread diameter, and mesh open area.

**PIGMENT LOAD** Mix up to 20% pigment by weight depending on ink system, mesh count, adhesion, cure, and desired effect.  
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, we recommend that Interference colors be printed as late as possible in the print sequence.  
Interference pigments can be combined with Pearlescent and Multi-Chromatic pigments to create numerous effects. Higher pigment loads may require higher cure levels. Test adhesion properties when determining pigment load.

**MIXING CLEAR** Interference 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 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 Interference Material Safety Data Sheet for further instructions and warnings

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

**PACKAGING** All pigments are available in 1 pound containers.

Stock Number	Interference Pigments	Particle Size Range (microns)	Stock Number	Interference Pigments	Particle Size Range (microns)
SIP1544	Ultra Gold	10-60	SIP1547	Ultra Lilac	10-60
SIP1545	Ultra Red	10-60	SIP1548	Ultra Blue	10-60
SIP1546	Ultra Copper	10-60	SIP1549	Ultra Green	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.

Nazdar Worldwide Headquarters  
 8501 Hedge Lane Terrace, Shawnee, KS 66227-3290 USA  
 Toll Free: 866.340.3579 or Tel: 913.422.1888 Fax: 913.422.2296  
 e-mail: [custserv@nazdar.com](mailto:custserv@nazdar.com)

Nazdar Limited  
 Barton Road, Heaton Mersey, Stockport, England SK4 3EG  
 Tel: + (44) 0.161.442.2111 Fax: + (44) 0.161.442.2001  
 e-mail: [technicalservicesuk@nazdar.com](mailto:technicalservicesuk@nazdar.com)

<http://www.nazdar.com>