

Metallic pigments can be added to solvent-based and UV-curable screen printing ink. Metallic pigments are available as powders and pastes.

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 particle size to the mesh count/mesh opening. When the mesh opening is too small, larger pigment particles are blocked from passing through the screen and onto the substrate, eventually blocking the printing of the ink.

Particle Size in microns	Mesh Count
+60 μm	195 tpi (77 tpcm) and lower
50-60 μm	230 tpi (90 tpcm) and lower
40-50 μm	280 tpi (110 tpcm) and lower
30-40 μm	305 tpi (120 tpcm) and lower
10-30 μm	355 tpi (140 tpcm) and lower

Reference your mesh manufacturer's guidelines as to the mesh count, thread diameter, and mesh open area to determine the printing requirements with respect to pigment particle size.

PIGMENT LOAD

Depending on ink system, mesh count, adhesion, cure, and desired effect, the recommended percentages by weight:

Golds/Coppers	Powders: up to 15%, Pastes: up to 18%
Aluminums	Powders: up to 8%, Pastes: up to 12%

Chemical reactions in metallic inks may result in viscosity, color and printability changes over time. Mix only enough metallic ink to be used the same day.

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

LEAFING / NON-LEAFING

Non-leafing pigments are characterized by an even particle distribution throughout the coating and may tend to have less sheen than leafing pigments.

Leafing pigments are at or near the film surface, rather than distributed throughout the coating. Leafing pigments tend to produce a brighter finish than non-leafing pigments; however, the surface can become damaged unless overprinted with clear.

See the Special Effects Color Card (CARDSPL) to determine leafing vs. non-leafing.

STORAGE

Close tightly and store in a dry area.

HANDLING

It is recommended that all personnel mixing and handling these products minimize the creation of dust, wear gloves and safety glasses to prevent contact. See the appropriate MSDS for additional information.

PRODUCT OFFERING

PRINTED MATERIAL *Special Effects Color Card (CARDSPL)*: provides screen printed samples and visual reference of several Metallic Powders and Pastes.

PACKAGING All pigments are available in 1 pound containers.

Stock Number	Aluminum/Silver Pigments	Powder or Paste	Average Particle Size (microns)	Use with Solvent-based and/or UV ink
SIPM504	Aluminum Paste L-228	Paste	17	Solvent & UV
SIPM531	30 Aluminum Powder	Powder	20	Solvent & UV
SIPM533	601-1 Aluminum Paste	Paste	11	Solvent & UV
SIPM571	313 Aluminum Paste	Paste	24	Solvent & UV
SIPM573	2871 Aluminum Pigment	Powder	13	Solvent & UV
SIPM606	Aluminum 6600	Paste	18	Solvent & UV
BP120	Extra Fine Aluminum	Powder	20	Solvent & UV
BP195	Aluminum Lining	Powder	30	Solvent & UV
BP200	Superfine Aluminum	Powder	15	Solvent & UV
BP242	Extra Brilliant Aluminum	Powder	50	Solvent only
BP325A	Aluminum	Powder	15	Solvent & UV
BP400A	Aluminum	Powder	10	Solvent & UV
BP807	Superfine Aluminum	Powder	15	Solvent & UV
Stock Number	Rich Gold Pigments	Powder or Paste	Average Particle Size (microns)	Use with Solvent-based and/or UV ink
SIPM525	Rich Gold Powder	Powder	16	Solvent & UV
SIPM528	C12 Rich Gold Powder	Powder	9	Solvent & UV
SIPM543	60 Rich Gold	Powder	35	Solvent & UV
BP40	Rich Gold Leaf	Powder	20	Solvent & UV
BP352	Extra Brilliant Rich Gold	Powder	50	Solvent only
BP400R	Rich Gold	Powder	10	Solvent & UV
BP91	Rich Gold Lining	Powder	20	Solvent & UV
Stock Number	Rich/Pale Gold Pigments	Powder or Paste	Average Particle Size (microns)	Use with Solvent-based and/or UV ink
SIPM523	60 Rich Pale Gold Powder	Powder	35	Solvent & UV
SIPM541	950 Rich Pale Gold	Powder	12	Solvent & UV
BP177	Rich Pale Gold	Powder	20	Solvent & UV
BP325RP	Rich Pale Gold	Powder	15	Solvent & UV
BP400RP	Rich Pale Gold	Powder	10	Solvent & UV
BP99	Rich Pale Gold Lining	Powder	40	Solvent only

Stock Number	Pale Gold Pigments	Powder or Paste	Average Particle Size (microns)	Use with Solvent-based and/or UV ink
SIPM527	C12 Pale Gold	Powder	9	Solvent & UV
SIPM529	60 Pale Gold	Powder	35	Solvent & UV
SIPM530	Pale Gold Powder	Powder	16	Solvent & UV
SIPM598	Bronze 3310-UV	Paste	10	UV Only
BP24	Pale Gold Leaf	Powder	20	Solvent & UV
BP400P	Pale Gold	Powder	10	Solvent & UV
BP90	Light Pale Gold Lining	Powder	30	Solvent & UV

Stock Number	Copper Gold Pigments	Powder or Paste	Average Particle Size (microns)	Use with Solvent-based and/or UV ink
SIPM514	950 Copper	Powder	12	Solvent & UV
BP400C	Copper	Powder	10	Solvent & UV
BP93	Copper Lining	Powder	30	Solvent & UV

AVAILABILITY Additional products are available upon request as special order.

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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