



Introduction:

The IRP pigments are optically variable pigments depending on viewing angles. These high quality pigments can be used in any Norcote ink to provide a multicolor effect. The addition of IRP pigments in a clear 049 or 012 ink is recommended. The pigments require a dark substrate or dark ink to be printed behind the UV coating with the IRP pigments to obtain the ultimate effect.

Material Description:

Irridescent Pearlescent Pigments

Recommended level:

Add to ink at 8-10% by weight. Additional percentages can be added, but monitor cure and adhesion.

Physical Properties:

Appearance: Powder
Particle Size
Distribution: 80% within the range 15-45 µm.
Color: **IRP3229**- mauve/blue/green
IRP3230-gold/red/mauve
IRP3231-brown/red/violet
Specific gravity: 2.8-3.4 g / cm³ (water=1)
PH-value: 5.0-8.0 (10% aqueous suspension)
Composition: Synthetic Mica,TiO₂,Fe₂O₃,SiO₂

Mesh:

A mesh count of 305 threads per linear inch (120 cm²) low elongation, monofilament polyester is suggested.

Storage Conditions:

Do not expose to direct sunlight. Store at room temperature between 5°C and 25°C. Store the product in original, tightly closed containers under the above mentioned conditions.

Safety & Handling:

The IRP Pigments should be handled in accordance with good industrial practice. Detailed information is provided in the Safety Data Sheet (SDS).

This Technical Bulletin is intended to be used for informational purposes only, and is in no way intended to create any warranties or other obligations on behalf of Norcote. All warranties, terms and/or conditions for a particular product will be specified on the applicable invoice and are only valid upon the creation of a legally-binding contract.

Testing

Due to the inability of Norcote to anticipate or control the conditions under which the products and information relating thereto will be used and/or stored, Norcote cannot guarantee the results obtained from using the products. Any suggested uses are merely representative, and because the final product will depend on a number of specific factors, the end user should pretest all substrates with the products prior to use in production.

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