XG sciences
THE MATERIAL DIFFERENCE

XG INK™

TECHNICAL DATA SHEET

WG-201

Water-Based Conductive XG-Ink

WG-201 is an electrically conductive ink/coating formulated with XG Sciences' **xGnP® Graphene Nanoplatelets** for application by gravure or flexographic printing. This product has an excellent adhesion to a variety of substrates. **WG-201** provides an alternative to meet your printing needs without sacrificing performance.

Mixing and Dilution

Thoroughly mix **WG-201** with an agitator or a paint shaker before use. If necessary, add thinner while mixing.

Drying

Coated parts should be dried at 70°C for 5 - 10 minutes immediately after printing.

Clean-up Solvent

Water

Safety and Handling

For safety and handling information pertaining to this product, read the Material Safety Data Sheet (MSDS)

WG-201 Typical Properties

Sheet resistivity (Ω/sq/mil)	<10
Density (lb/gal)	9.3
Drying (min @ 70°C)	5 - 10
Viscosity (cps)	100 - 125
Solids (%)	25
Thinner	Water

This table shows anticipated typical properties for WG-201 based on specific controlled experiments in our labs and are not intended to represent the product specifications; details of which are available upon request.

Storage and Shelf Life

Container should be stored, tightly sealed in a clean and stable environment at room temperature. Avoid high heat or freezing. Shelf life of material in unopened containers is six months from the date of shipment. Some settling of solids may occur and compositions should be thoroughly mixed prior to use.