



# 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 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.

XG-Water Based Ink WG-201 Typical Properties	
Sheet resistivity ( $\Omega/\text{sq}/\text{mil}$ )	<15
Density (lb/gal)	9.3
Drying (minutes @ 70 degrees Celcius)	10-15 minutes
Viscosity	400 cps
Solids (%)	30
Thinner	Water

Note: The 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, detail of which are available upon request.

### **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 degrees Celcius for 10-15 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).

### **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.

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