



## **POLYCHEM UV/EB INTERNATIONAL CORP.**

### ***Super Hydrophilic Coating***

POLYCHEM®# JN1317-B is a water based highly hydrophilic coating, developed by the latest coating technologies, used for the surface modifications of the bio-electrodes. It significantly improves the wetting power of the coated surfaces and increases sensitivity, accuracy of the sensor or electrodes.

#### **Applications:**

Hydrophilic treatment for the electrodes of bio-chips, bio-sensors, bio-testing straps.

#### **Product Advantages:**

- › Water based, environmental friendly.
- › Excellent bonding strength to PET and various plastic substrates.
- › Highly hydrophilic and wetting power to liquids, such as water, blood, urine, body fluids, etc.
- › Fast drying speed.
- › Clear and transparent.
- › Stable and will not be affected by environmental humidity during storage.
- › Very fast response time > 6 mm Ø @ 3µl.
- › Low viscosity, easy to process.
- › improves the stability, accuracy and sensitivity of the bio-sensors.

#### **Physical Characteristics:**

**Appearance:** milky white semi-transparent liquid

**Viscosity:** < 80 cps @ 25C

**Service Temperature:** up to +85 °C

**Recommended Coating Thickness:** 5-10 microns (wet film)

**Recommended Drying Conditions:** 75-110°C x 3-5 minutes

**Storage Condition and Shelf life:** Dark place, 10~25C, 12 months from date of manufacturing

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