



## Product Manual(TDS)

### Urethane acrylate BW 8077

#### Product introduction

**BW 8077** is a solvent-based modified polyurethane acrylate. It has the characteristics of good adhesion, good leveling, fast curing and excellent chemical resistance, etc. It is mainly used in vacuum plating layer, magnesium-aluminum alloy, stainless steel and other metal intermediate coatings and topcoats, as well as silver powder primer and plastic UV varnish, and it still shows good interlayer adhesion and chemical resistance after adding color essence.

#### Product characteristics

Functional	4	Hardness	-
Active Ingredient (%)	-	Proportion (25°C)	1.06
Appearance (25°C)	Clear transparent liquid	Shrinkage(%)	-
Viscosity (cps at 25°C)	1600-2600	Refractive Index(nd at 25°C)	1.48
Color (APHA)	≤60	Elongation At Break (%)	-
Acid Value (mg KOH/g)	4.0-5.5	Tensile Strength (MPa)	-

- Good leveling;
- Excellent adhesion after adding color;
- Good color addition and color spreading;
- Excellent abrasion and alkali resistance;

#### Applications

- It is used in vacuum plating of cell phones and cosmetics for medium and top coatings as well as disposable UV coating.

#### Packaging

- In 20 kg plastic drums
- In 200 kg metal drums

#### Storage

- Store in a properly sealed container, away from sunlight and heat;
- At normal room temperature storage conditions, the product storage stability of at least 6 months;
- Low temperature or long-term storage, this product may form a false plastic layer;
- This rheological change can be restored by stirring or slight heating (up to 45°C);

**It is especially suggested that the above data and suggestions are based on experimental data, but due to the uselessness of users, we can not provide any guarantee for the integrity and accuracy of the information.**

**We recommend that customers choose our products and adopt them. Determine their applicability before making our recommendations.**

