



## Product Manual(TDS)

### Urethane acrylate BW 100A

#### Product introduction

**BW 100A** is a difunctional polyurethane acrylate with high molecular weight . It is especially suitable for plastic paints (e.g. cosmetics, shoe heels, wine bottle packaging, vacuum plating primer), resilient parquet paints and UV nail polish, etc. It provides excellent toughness to the coating film, and good interlayer adhesion to the substrate and plating layer.

#### Product characteristics

Functional	2	Hardness	-
Active Ingredient (%)	100%	Proportion (25°C)	1.12
Appearance (25°C)	Transparent clear liquid	Shrinkage(%)	-
Viscosity (cps at 60°C)	30000-50000	Refractive Index( $n_d$ at 25°C)	1.49
Color (APHA)	≤60	Elongation At Break (%)	277
Acid Value (mg KOH/g)	≤1	Tensile Strength (MPa)	15

- Good resistance to boiling;
- Good wettability and leveling;
- Excellent adhesion to substrates and plating layers;

#### Applications

- It is used in vacuum plating primers, UV plastic spraying, UV furniture and parquet coating, UV nail polish.

#### 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 ( Maximum temperature 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.**

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