

Product Manual(TDS)

Urethane acrylate BW 100B

Product introduction

BW 100B is a high molecular weight two-functional polyurethane acrylate. It is especially suitable for plastic paints (e.g. vacuum plating primer for cosmetics, shoe heels, wine bottle packaging), resilient parquet paints and UV nail polish, etc. It provides excellent toughness and fast curing speed 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)	1.13
Appearance (25°C)	Transparent clear liquid	Shrinkage(%)	-
Viscosity (cps at 60°C)	35000-55000	Refractive Index(n_d at 25°C)	1.49
Color (APHA)	≤ 60	Elongation At Break (%)	308
Acid Value (mg KOH/g)	≤ 3	Tensile Strength (MPa)	14

- Good resistance to boiling water;
- Good toughness;
- Fast curing speed;
- Excellent adhesion to substrates and plating layers;

Applications

- It is used in vacuum plating primer, 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.

