

Product Manual(TDS)

Urethane acrylate BW 8025

Product introduction

BW 8025 is an aliphatic steel wool resistant polyurethane acrylate. It exhibits outstanding resistance to steel wool and stains, excellent adhesion, good yellowing and alkali resistance, and a well-balanced hardness-toughness profile. It is primarily used in UV curtain coating lacquers and UV film-hardening coatings, as a topcoat for vacuum metallization (aluminum, tin, indium) on mobile phones and laptops, and in silver powder basecoat, colored coatings, and UV varnishes for plastics (PMMA, PC, ABS). The product provides excellent resistance to steel wool and stains, high scratch resistance, and superior hardness and wear resistance to the coating.

Product characteristics

Functional	12	Hardness	-
Active Ingredient (%)	-	Proportion (25°C)	-
Appearance (25°C)	Slightly muddy liquid	Shrinkage(%)	-
Viscosity (cps at 25°C)	1,500 - 3,000	Refractive Index(n_d at 25°C)	-
Color (APHA)	-	Elongation At Break (%)	-
Acid Value (mg KOH/g)	-	Tensile Strength (MPa)	-

- Excellent stain resistance and steel wool resistance;
- Outstanding scratch resistance;
- Good adhesion;
- Well balanced between hardness and toughness;

Applications

- It is used in plastic UV coatings, UV top coating in woodware.

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.

