

HE6790 is a solvent-based acrylic polyol resin with 4.2% hydroxyl content (based on the theoretical calculation of non-volatile components)

Characteristics

It is used to prepare solvent-based two-component polyurethane coatings mixed with aliphatic isocyanate curing agent. It has a high fullness and high gloss appearance, excellent mechanical properties and chemical resistance, excellent aging resistance, and high construction solid content, especially suitable for automotive coatings and motorcycle coatings.

Delivery form

70% in n-Butyl acetate;

Product specifications

| | |
|--|-----------------------|
| Solid Content: | 68.0–72.0% |
| Viscosity (25°C, NDJ rotational viscometer): | 4.0-8.0 Pa.s |
| Color number | ≤ 100 (APHA) |
| Acid value | 2.0-5.0 mgKOH/g |
| Appearance | clear and transparent |

The following items are not required:

| | |
|----------------|---|
| flash point | 25°C |
| hydroxyl value | 4.2% (based on the non-volatile components) |
| density (20°C) | 0.99-1.03 g/ml |

Principal properties

High fullness, high gloss;
Fast drying, high hardness;
Excellent chemical resistance.

Applications

It is mainly used in combination with Desmodur N75, N3390, N3600 and other curing agents, and can be used to prepare self-drying or low-temperature baking paint, especially suitable for automotive coatings and motorcycle coatings. The cured paint film has high hardness, good toughness, high gloss, good weather resistance and light resistance, good solvent resistance and gasoline resistance.

Compatibility with solvents

It can be diluted to 30% solids with esters, ketones, ether esters, toluene, xylene, and No. 100 solvent oil. However, it is recommended that the storage stability of the prepared solution should be tested separately. Urethane-grade solvent (water content<0.05%, no other reactive impurities) should be used. It is insoluble in aliphatic hydrocarbon solvents.

Compatibility with resins

It can be mixed with the following isocyanates and Setalux D A types, but it is recommended to confirm their compatibility when formulating: Desmodur N 75, N 3390, N 3400, N 3600, Z 4470, L series as well as Setalux D A 365, A 450, A 565, A 665 & Setal D RD 181. It is generally miscible with most CABs, but the mixture must be tested for miscibility.

Storage guidelines

The resin should be stored indoors in original, unopened, undamaged container in a dry place at storage temperature no more than 30°C. Exposure to direct sunlight should be avoided.

Shelf life

Under above mentioned storage condition, the shelf life of the resin will be 730 days after production.

For more than 730 days, the goods are still owned by ZOHO Company, the company's QC can make the corresponding extension of the shelf life after testing qualified.

Material safety

This product data sheet only applies to the latest version of Material Safety Data Sheet. Any updates to safety-related information that are consistent with legal requirements will only be reflected in the safety data sheet, at the same time the Sheet will be updated and published. Information on current classification and labelling, application and process methods, and more safety-related data can be found in the latest Material Safety Data Sheet.