

HE6670M is a solvent-based acrylic polyol resin with 3.0% 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 is suitable for cement permeable paint, anticorrosive paint, PU finish paint and floor paint.

Delivery form

65% in butyl acetate / xylene

Product specifications

| | |
|--|-----------------------|
| Solid Content: | 63.0–67.0% |
| Viscosity (25°C, NDJ rotational viscometer): | 4.0-7.0 Pa.s |
| Color number | ≤ 1# (Fe-Co) |
| Acid value | 4.0-8.0 mgKOH/g |
| Appearance | clear and transparent |

The following items are not required:

| | |
|----------------|---|
| flash point | 22°C |
| hydroxyl value | 3.0% (based on the non-volatile components) |
| density (20°C) | 0.99-1.03 g/ml |

Principal properties

High gloss, high fullness, good leveling property;
Fast drying speed, 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 cement permeable paint, anticorrosive paint, PU finish paint and floor paint.

Compatibility with resins and solvents

| | | | | | | | |
|--------|---|--------|---|--------|---|-----------------|---|
| HE6631 | + | HE6771 | + | xylene | + | 2-Butoxyethanol | + |
| HE6650 | + | HE6673 | + | S-100 | + | CAC | + |
| HE6790 | + | | | BAC | + | PMA | + |
| | | | | CYC | + | n-butanol | + |

Note: + means soluble/miscible; ○ means partially soluble/partially miscible;

— means insoluble/incompatible.

Reference recipe

| Two-component (high gloss black paint) | | diluent | |
|--|--|---------|----|
| (Part A) | | | |
| HE6670M | 65 | xylene | 40 |
| Carbon black powder | 4 | toluene | 5 |
| BYK306 | 0.2 | BAC | 25 |
| EKFA3034 | 0.1 | PMA | 15 |
| BYK110 | 3 | CAC | 15 |
| 10%T-12 | 0.3 | | |
| BAC\XYL | 29.7 | | |
| (Part B) Bayer N3390 | Part A: Part B: thinner =100: 14: 80~100 | | |

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.