

HE6638 is a solvent-based acrylic polyol resin with 1.8% 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 PU plastic paint, hardware aluminum powder paint and pigmented coating. The coating can be sprayed on ABS and PS at one time.

Delivery form

60% in Butyl acetate/ xylene / toluene

Product specifications

Solid Content:	58.0–62.0%
Viscosity (25°C, NDJ rotational viscometer):	3.0-6.0 Pa.s
Color number	≤ 1# (Fe-Co)
Acid value	1.0-3.0 mgKOH/g
Appearance	clear and transparent

The following items are not required:

flash point	4°C
hydroxyl value	1.8% (based on the non-volatile components)
density (20°C)	0.99-1.03 g/ml

Principal properties

- Excellent alignment of aluminum powder;
- Good adhesion to ABS, PS and metal substrates;
- Fast drying speed, high hardness.

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 ABS/PC plastic paints, hardware aluminum powder paint and pigmented coating.

Compatibility with resins and solvents

HE6650	+	HE6570	+	xylene	+	2-Butoxyethanol	+
HE6672	+	HE6673	+	trimethylbenzene	+	2-Ethoxyethyl acetate	+
HE6530	+	HE6631	+	Butyl acetate	+	isobutanol	+
1/2NC	+	CAB-381-20	+	Cyclohexanone	+	n-butanol	+

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

— means insoluble/incompatible.

Reference recipe

Aluminum powder paint		diluent	
(Part A)			
HE6638	70	xylene	50
Aluminum powder	10	toluene	10
BYK306	0.2	butyl acetate	15
BYK358N	0.1	PMA	15
20%CAB-381-20	10	ethyl acetate	10
Butyl acetate	9.7		
(Part B) Bayer N3390	Part A: Part B: thinner =100: 10.6: 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.