



Product Data Sheet Uracron™ CY472 E-57

Hydroxy acrylic resin for 2-component NCO-curing systems

Applications

Industrial wood coatings:

- medium solids clear and pigmented primers and topcoats

Industrial paints:

- car repair systems
- clear and pigmented coatings for Industrial interior and exterior plastic coatings

Principal properties

- solids content
- reactivity
- chemical resistance
- yellowing resistance

Dilutability

Xylene	complete
n-Butyl acetate	complete
1-Methoxy 2-propyl acetate	complete
Methyl ethyl ketone	complete
Methyl isobutyl ketone	complete
n-Butanol	limited

Compatibility

Cellulose nitrate ½ sec	complete
Cellulose acetate butyrate	complete
Aliphatic polyisocyanate	complete
Aromatic polyisocyanate	complete
Uracron CY430 E, CY468 XF	complete
Uracron CY499 E, CY474 E-57	complete

Storage guidelines

The resin should be stored indoors in original, unopened, undamaged container in a dry place at storage temperature between 5 - 30 °C. Exposure to direct sunlight should be avoided.

Shelf life

Under above mentioned storage conditions, the shelf life of the resin will be 730 days ex work.

Delivery form:

57% solids in butyl acetate

Product specifications

Property	Range	Unit	TM
Viscosity, 23 °C	3 - 7	Pa.s	2013
Color, APHA	0 - 100	-	2017
Solids content	56 - 58	%	2022
Appearance	Clear	-	2265
Acid value, on solid	6 - 12	mg KOH/g	2401

Other product data

Property	Value	Unit	TM
Density, 23 °C	ca. 1041	kg/m ³	2160
Flash point	ca. 25	°C	2800
Hydroxyl content, on solid	ca. 1.7	%	2432

Test methods

Test methods (TM) referred to in the table(s) are available on request.

Recommendations on formulation and use

- Uracron CY472 E-57 has a medium solid content with good reactivity, drying properties and chemical resistance.
- Uracron CY472 E-57 is solved in n-butyl acetate and therefore suitable for aromatic free systems.
- Due to its OH content of 1.7% it is economical in use.
- Uracron CY472 E-57 can be combined with physical drying binders e.g. cellulose nitrate or cellulose acetate butyrate and then cured with polyisocyanate resin.
- For industrial and car repair paints, Uracron CY472 E-57 can be added to formulations based on Uracron CY499 E and Uracron CY474 E-70 to improve drying properties at room temperature (20-40% on solid resin).

Starting formulations

Starting formulations are available on request.

Material safety

A Material Safety Data Sheet for this product is available on request.

