



# Product Data Sheet

## Uracron™ CY468 XF-60

### Hydroxy acrylic resin

#### Applications

- two component car repair top coats
- machine lacquers
- protective top coats

#### Principal properties

- drying speed
- flexibility
- weathering resistance

#### Dilutability

Xylene	complete
n-Butyl acetate	complete
1-Methoxy 2-propyl acetate	complete
Methyl ethyl ketone	complete
Solvesso 100 <sup>1)</sup>	limited
Solvesso 150 <sup>1)</sup>	limited

#### Compatibility

Uracron CY450, CY451, CY474, CY430, CY455, CY433, CY499	complete
Uracron CR226	complete
Maprenal MF821, MF822 <sup>2)</sup>	incompatible
Cellulose nitrate, ½ sec.	almost complete
Cellulose acetate butyrate	incompatible
Aliphatic and aromatic polyisocyanate	complete

#### Material safety

A Material Safety Data Sheet of the products is available on request.

#### Test methods

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

<sup>1)</sup> Exxon Chemicals

<sup>2)</sup> Ineos

#### Delivery form:

60% solids in xylene/methoxy propyl acetate 3/2

#### Product specifications

Property	Range	Unit	TM
Viscosity, 23°C	3.5 - 5.5	Pa.s	2013
Color, APHA	0 - 150	-	2017
Solids content	59 - 61	%	2022
Appearance	clear	-	2265
Acid value, on solid	3 - 8	mg KOH/g	2401

#### Other product data

Property	Value	Unit	TM
Density, 23°C	ca. 1036	kg/m <sup>3</sup>	2160
Flash point	ca. 31.5	°C	2800
Hydroxyl content, on solid	ca. 1.8	%	2432

#### Storage guidelines

The resin should be stored indoors in the original, unopened and undamaged containers in a dry place at storage temperatures between 5° C and 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.

#### Recommendations for formulation and use

To increase drying speed it is recommended to add DBTL (dibutylindilaurate) 0.001-0-02% on total binder. Although Uracron CY468 XF has good wetting properties, it is recommended to use a wetting agent in the pigment mill base.

Small amounts of a silicone additive are recommended to improve flow properties.

When using Uracron CY468 XF in clear coat over metallic basecoats, a UV absorber combination (Tinuvin 292/900 or Tinuvin 1130-1% on total binder) should be incorporated to prevent yellowing and cracking of films. The crosslinking density can be varied between 110% and 120%.

#### Starting formulation

Starting formulation available on request.

