Product Data Sheet
Uracron™ CR226 XB-50

Thermosetting hydroxy acrylic resin

Applications
Automotive:
- metallic base coat
- clear and pigmented top coats

General industry:
- stoving enamels

Principal properties
- weathering resistance
- compatibility (with cab)
- scratch resistance

Dilutability

Xylene	complete
n-Butyl acetate	complete
n-Butanol	complete
1-Methoxy 2-propyl acetate	complete
2-Butoxy ethyl acetate	complete
Methyl ethyl ketone	complete
Solvesso 100 [1)]	complete
Solvesso 150 [1)]	limited

Compatibility

Cellulose acetate butyrate	complete
Uracron CR201	complete
Maprenal MF821 [2)]	almost complete
Uramex U460 [3)]	limited
Maprenal MF822 [2)]	limited
Maprenal MF863 [2)]	incompatible

Recommendations for formulation and use
In metallic base coats, it is recommended to use the following ratios to obtain optimum film properties: hydroxy acrylic/CAB/melamine 60/30/10-50/50/10. In a clear coat, it is suggested to use a ratio hydroxy acrylic/melamine 80/20 to 75/25.
Uracron CR226 XB has excellent weathering resistance and yellowing resistance even without the addition of a UV light stabiliser. For longer duration weathering resistance, it is recommended to add 1% of a UV light stabiliser on solid resin.

Delivery form:
50% in xylene/n-butanol = 3/1

Product specifications

Property	Range	Unit	TM
Viscosity, 23°C	0.75 - 1.05	Pa.s	2013
Color, APHA	0 - 100	-	2017
Solids content	49 - 51	%	2022
Appearance	clear	-	2265
Acid value, on solid	10 - 14	mg KOH/g	2401

Other product data

Property	Value	Unit	TM
Density, 23°C	ca. 985	kg/m³	2160
Flash point	ca. 23	°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 the stipulated storage conditions, the anticipated shelf-life is 730 days from last quality control date, as stated in the Certificate of Analysis.

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.

[1)] Exxon Chemicals
[2)] Ineos
[3)] DSM

Starting formulation
Starting formulation available upon request.