



Product Data Sheet Uracron™ CR203 M3-54-ND

Thermosetting hydroxy acrylic resin

Applications

Can coating

- external linings, twist-off lids, crowns and screw caps
- two piece can base coatings

Principal properties

- flow
- deep drawing properties
- sterilisation resistance
- acceptance of UV curable printing inks

Dilutability

Solvesso 150 ND ¹⁾	complete
Solvesso 200 ¹⁾	complete
Xylene	complete
n-Butanol	complete
Ethyl glycol	complete
Butyl glycol	complete
2-Ethoxy ethyl acetate	complete
Methyl ethyl ketone	complete

Compatibility

Maprenal MF821, BF892 ⁴⁾	complete
Maprenal MF863, MF822 ⁴⁾	incompatible
Cymel 303 ²⁾	complete
Uracron CS206	incompatible
Epikote 834 ³⁾	complete
Epikote 1001 ³⁾	incompatible

Recommendations on formulation and use

Optimum coating properties with Uracron CR203 M3-54-ND are obtained in combination with benzoguanamine resin Maprenal BF892 B in a ratio ranging from 90/10 till 85/15.

To obtain optimum flexibility properties, a combination of Uracron CR203 M3-54-ND, with a small percentage of epoxy resin (type Epikote 834) is recommended.

Delivery form:

54% in Solvesso 150 ND¹⁾ / butyl glycol / ethoxy propanol/ n-Butanol = 39/3/1.5/2

Property	Range	Unit	TM
Viscosity	1.6 - 2.6	Pa.s	2013
Color, APHA	0 - 250	-	2017
Solids content	53 - 55	%	2022
Appearance	clear	-	2265
Acid value (on solid)	12 - 17	mg KOH/g	2401

Other product data

Property	Value	Unit	TM
Density 23°C	ca. 1000	kg/m ³	2160
Flash Point	ca. 62	°C	2800
Hydroxyl content, on solid	ca. 0,9	%	2432

Remark:

The solvent used is the naphthalene depleted version of Solvesso 150.

Test methods

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

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 the stipulated storage conditions, the anticipated shelf-life is 365 days from last quality control date, as stated in the Certificate of Analysis.

Material safety

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

¹⁾ Exxon Chemicals

²⁾ Allnex

³⁾ Hexion

⁴⁾ Ineos

