



Product Data Sheet Uracron™ CS206 XB-52

Thermosetting acrylic resin

Applications

General industry:

- stoving enamels for domestic appliances

Principal properties

- self crosslinking
- flexibility
- detergent resistance
- adhesion
- high build

Dilutability

Solvesso 150 ¹⁾	complete
Xylene	complete
n-Butyl acetate	complete
n-Butanol	limited
White spirit	insoluble

Compatibility

Maprenal MF821 ²⁾	almost complete
Maprenal MF822 ²⁾	limited
Epikote Resin 1001 ³⁾	limited
Epikote Resin 828 ³⁾	complete

Recommendations for formulation and use

Although Uracron CS206 XB-52 can be used as such, the addition of a suitable epoxy resin (5-10% on the solid binder) is recommended to improve the flexibility and chemical resistance.

Optimal flow is obtained by the use of a flow agent (e.g. Urad DD27).

For optimum properties a stoving schedule of 30 minutes at 150 °C is required.

The addition of 5-10% (on solid resin) of a suitable melamine resin will improve hardness of the film.

¹⁾Exxon Chemicals

²⁾Ineos

³⁾Hexion

Delivery form:

52% in Xylene/butanol = 2 / 1

Product specifications

Property	Range	Unit	TM
Viscosity, 23 °C	700 - 1300	mPa.s	2013
Color, APHA	max. 150	-	2017
Solids content	51 - 53	%	2022
Appearance	clear	-	2265
Acid value, on solid	10 - 17	mg KOH/g	2401

Other product data

Property	Value	Unit	TM
Density, 23 °C	ca. 960	kg/m ³	2160
Free formaldehyde	< 0.1	%	2280
Flash point	ca. 29	°C	2800

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 365 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.

Starting formulations

Starting formulations are available on request.

