

DYNAPOL® UB 791-03

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General description

Thermosetting one pack polyurethane system based on a saturated, low molecular, hydroxylated polyester resin and a blocked polyisocyanate resin.

Stoving enamels based on UB 791 are very flexible and show good adhesion to metals. Coatings show good yellowing resistance and very good weathering resistance.

Specification

Property	Value	Unit	Test method
Non volatile content ¹⁾	60 ± 2	% by weight	DIN EN ISO 3251
Viscosity (23 °C)	2 - 3.5	Pa s	DIN EN ISO 3219
Colour (Gardner)	≤ 3		DIN EN ISO 4630

Typical data

Acid number (solvent free)	≤ 2	mg KOH/g	DIN EN ISO 2114
Density (20 °C) (solution)	1.11	g/cm ³	DIN EN ISO 1183
Flashpoint	68	°C	DIN EN ISO 13 736

¹⁾ 60 min 160 °C

Uses

Coil Coating top coats and single coat-systems for exterior architecture; high build primers.

Processing Advice

UB 791 is a self crosslinking system, which normally does not need additional crosslinking resin (stoving parameters e.g. 30 – 40 secs. 230 – 240 °C PMT).

Pigment grinding in usual milling facilities should be done under particular temperature control and without paint catalyst.

Supply Form

60 % in Solvent Naphtha 150 ND / DBE (50 / 50).

Storage Stability

Protected from heat, sunlight, moisture and foreign materials, the shelf life of DYNAPOL® UB 791-03 is twelve (12) months from the date of delivery when stored in unopened original containers at temperatures below 25°C (77°F).

Safety and Handling

Please refer to our Safety Data Sheet.

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