

## DYNAPOL® UB 790-03

43.13.843e / 04.17

### 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 790 are very flexible, show good adhesion to metals and very good weathering resistance.

### Specification

Property	Value	Unit	Test method
Non volatile content <sup>1)</sup>	60 ± 1	% by weight	DIN EN ISO 3251
Viscosity (23 °C)	2.5 - 4.5	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)	1.12	g/cm <sup>3</sup>	DIN EN ISO 1183
Flashpoint	65	°C	DIN EN ISO 13 736

<sup>1)</sup> 60 min 160 °C

### Uses

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

### Processing Advice

UB 790 is a self crosslinking system, which normally does not need additional crosslinking resin (stoving parameters e.g. 30 mins 140 °C up to 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<sup>®</sup> UB 790-03 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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