

DYNAPOL[®] UB 1052-03

43.13.853e / 04.17

General description

Thermosetting one pack polyurethane system based on a saturated, low molecular, hydroxylated polyester resin and a blocked polyisocyanate resin on the base of VESTANAT[®] IPDI.

Stoving enamels based on UB 1052 combine very good flexibility with good surface hardness and very high weathering resistance.

Specification

Property	Value	Unit	Test method
Non volatile content ¹⁾	60 ± 1	% by weight	DIN EN ISO 3251
Viscosity (23 °C)	2.7 ± 0.5	Pa s	DIN EN ISO 3219
Colour (Gardner)	≤ 2		DIN EN ISO 4630

Typical data

Acid number (solvent free)	≤ 2	mg KOH/g	DIN EN ISO 2114
Density (20 °C) (solution)	1.08	g/cm ³	DIN EN ISO 1183
Flashpoint	62	°C	DIN EN ISO 13 376

¹⁾ 60 min 110 °C < 2 hPa

Uses

Coil Coating top coats for exterior architecture; particularly useful for the combination with polyamide fine powder (VESTOSINT[®]) for textured coatings.

Processing Advice

UB 1052 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.

Due to its composition, the compatibility of DYNAPOL[®] UB 1052-03 with other Polyesters is very limited.

Supply Form

60 % in Solvent Naphtha 150 ND / DBE (75 / 25).

Storage Stability

Protected from heat, sunlight, moisture and foreign materials, the shelf life of DYNAPOL[®] UB 1052-03 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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