

DYNAPOL® UB 877-01

43.13.854e / 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 877 combine very good flexibility with good surface hardness and high hydrolysis resistance.

Specification

| Property | Value | Unit | Test method |
|------------------------------------|-----------|-------------|-----------------|
| Non volatile content ¹⁾ | 60 ± 1 | % by weight | DIN EN ISO 3251 |
| Viscosity (23 °C) | 2.0 ± 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) | 1.04 | g/cm ³ | DIN EN ISO 1183 |
| Flashpoint | 60 | °C | DIN EN ISO 13 376 |

¹⁾ 90 min 110 °C < 2 hPa

Uses

Coil Coating top coats and primers for appliance claddings.

Processing Advice

UB 877 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 / Solvent Naphtha 100 (85 / 15).

Storage Stability

Protected from heat, sunlight, moisture and foreign materials, the shelf life of DYNAPOL® UB 877-01 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.

Evonik Operations GmbH

Paul-Baumann-Str. 1
45764 Marl
Germany
PHONE +49 2365 49-02
FAX +49 2365 49-5030

www.dynapol.com
www.evonik.com/coatings
E-MAIL dynapol@evonik.com

Evonik Corporation

Resource Efficiency
299 Jefferson Road
Parsippany, NJ 07054-0677, USA
PHONE +1 973 929-8000
FAX +1 973 929-8460

www.dynapol.com
www.evonik.com/coatings
E-MAIL dynapol@evonik.com

Evonik Specialty Chemicals (Shanghai) Co., Ltd.

55 Chundong Road
Xinzhuang Industry Park
Shanghai 201108, P.R. China
PHONE +86 21 6119-1028
FAX +86 21 6119-1254

www.dynapol.com
www.evonik.com/coatings
E-MAIL dynapol@evonik.com

Replaces leaflet 43.13.854e / 07.15 and all former issues
Marl, April 12, 2017

DYNAPOL® / VESTANAT® is a registered trademark of Evonik Industries AG or one of its subsidiaries

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.