



# Basa Polymer

Seamless Quality

## Technical Data Sheet

### BASADUR® E 312

Self-Leveling Flooring| Solvent-free| industrial| 18%

#### Uses

It can be used as the intermediate and top layer in industrial applications with medium and heavy traffic loads.

#### Shelf Life

Maximum 4 months since the date of production.

#### Safety information

Please check the SDS of BASADUR® E 312.

#### Packaging

Part A: 21.2 kg containers, 200 kg drums  
Part B: 3.8 kg containers, 200 kg drums

#### Description

BASADUR® E 312 is a pigmented, solvent-free, two-component epoxy/polyamine, self-levelling floor coating. Seamless, moderate pot life and good mechanical and physical properties are some of its properties.

#### Benefits

- The non-slip finish can be tailored to the requirements
- Hard-wearing
- Low viscosity and Easy application
- more economical than BASADUR® E 302

#### Technical Information

Properties	
<b>Solid Content (%) (ASTM D2369)</b>	~ 100
<b>Mix Ratio by weight</b>	100:18
<b>Pot Life at 25°C (min)</b>	40
<b>Mixed Density (g/cm³) (ISO 2811)</b>	1.9 approx.
<b>Dry-Hard Time (hr.)</b>	12
<b>Recommended Coverage per coat (g/m²)</b>	1500-2000
<b>Overcoat Time (hr.)</b>	8 - 24
<b>Bond Strength (MPa) (ASTM D4541)</b>	> 1.5 (concrete failure)
<b>Shore D Hardness (ASTM D2240)</b>	86(after 7 days)

#### Substrate Requirements and Preparation

The substrate's compressional strength should be a minimum of 20 N/mm<sup>2</sup>, and the substrate should be less than 3% moist. The substrate has to be prepared by a suitable mechanical or chemical process to remove any oil, dirt, and residues of alkali compounds. Weak areas of the concrete must be removed completely.

#### Storage

The product must be stored in its original packaging in a dry place at a temperature range of 15s to 25 °C.

#### BASADUR® E312 Chemical resistance

BASADUR® E312 shows medium resistance to various chemicals. Notes to be observed the resistance of a coating is influenced by fluctuations in temperature. Moreover, the simultaneous influence of two or more chemicals may have a major impact. For these reasons, we urgently recommend that customers conduct their own tests to assess chemical resistance.

NO	Chemical Name	BASADUR® E312		
		1 DAY	3 DAYS	7 DAYS
1	Acetic acid 10%	C	C	C
2	Nitric Acid 10%	A	A	A*
3	Xylene	A	A	A
4	Phosphoric Acid 10%	A	B*	B*
5	Hydrochloric acid 10%	A*	B*	B*
6	Sulphuric acid 10%	A*	B*	B*
7	Thinner 10000	C	C	C
8	Car Engine Oil	A	A	A
9	Gasoline	A	A	A
10	Sodium hydroxide	A	A	A

**A=Resistance, B= Limited resistance, (swelling, loss of hardness...etc.), C= not resistance**

**\*= discoloration or loss of glass, test Method: DIN 53 168 for coatings at 20°C**

#### Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of BASADURS, are given in good faith based on BASADURS's current knowledge and experience of the products when properly stored, handled, and applied under normal conditions by BASA's recommendations. In practice, the differences in materials, substrates, and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. BASA Polymer reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.