



# Technical Data Sheet

## BASADUR® E 413

Casting Binder | Solvent-free | Clear Coat | Decorative

### Description

BASADUR® E 413 is a clear solvent-free and two-component epoxy-polyamine binder. Moderate pot life, very good abrasion resistance, and better yellowing resistance than BASADUR® E 403 are some of its properties.

### Uses

#### Uses

It can be used as matrix in many applications such as:

- decorative applications
- art and Jewelry
- Wood projects
- composites

### Also Available from BASA Polymer

#### Primers

- BASADUR® E 101
- BASADUR® E 102
- BASADUR® E 105
- BASADUR® E 112

#### Middle Coats

- BASADUR® E 202
- BASADUR® E 201
- BASADUR® E 302

#### Body Coats / Self Levels

- BASADUR® E 303
- BASADUR® E 304
- BASADUR® E 305
- BASADUR® E 307

### Benefits

- Can be applied in very thick clear coats
- Very good mechanical properties
- good UV resistance and low yellowing
- Low viscosity and easy application

### Technical Information

#### Properties

<b>Solid Content (%) (ASTM D2369)</b>	<b>~ 98</b>
<b>Mix Ratio by weight</b>	<b>100:52</b>
<b>Pot Life at 25°C (min)</b>	<b>40</b>
<b>Mixed Density (g/cm<sup>3</sup>) (ISO 2811)</b>	<b>1.1 approx.</b>
<b>Dry-Hard Time (hr.)</b>	<b>12</b>
<b>Recommended Coverage (g/m<sup>2</sup>)</b>	<b>-</b>
<b>Overcoat Time (hr.)</b>	<b>8 - 24</b>
<b>Bond Strength (MPa) (ASTM D4541)</b>	<b>&gt; 1.5 concrete failure</b>
<b>Shore D Hardness (ASTM D2240)</b>	<b>80 (after 7 days)</b>

### 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. You can use BASADUR® products to repair substrate, fill cavities, holes, and cracks. Before applying the coating, remove all dust from the substrate with a vacuum cleaner.

### Storage

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

### Shelf Life

Maximum 6 months since the date of production.

### Safety information

BASADUR® E 413 is highly flammable. For more information, please check the MSDS.

### Packaging

- Part A: 13.2 kg containers, 200 kg drums
- Part B: 6.8 kg containers, 200 kg drums

### 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.