



Technical Data Sheet

BASADUR® U 311

PU Self-Leveling | Solvent-free | General Coating | 20%

Description

BASADUR® U 311 is a pigmented, solvent-free, two-component, self-leveling polyurethane floor coating. Being ductile, having moderate pot life, and having flexibility are some of their properties.

Uses

It can be used as the intermediate and top layer in various industries with medium and heavy traffic loads where ductility is required.

Also Available from BASA Polymer

Primers

BASADUR® E 101
BASADUR® E 102
BASADUR® E 104
BASADUR® U 101

Body Coats / Self Levels

BASADUR® E 303
BASADUR® E 304
BASADUR® U 201
BASADUR® U 202
BASADUR® U 301
BASADUR® U 302

Top Coats

BASADUR® U 401
BASADUR® U 707

Benefits

- The non-slip finish can be tailored to the requirements
- Moderate Flexibility and ductility
- Low viscosity and Easy application

Technical Information

Properties	
Solid Content (%) (ASTM D2369)	~ 99.5
Mix Ratio by weight	100:20
Pot Life at 25°C (min)	35
Mixed Density (g/cm ³) (ISO 2811)	1.7 approx.
Dry-Hard Time (hr.)	12
Recommended Coverage (g/m ²)	1200 – 2000
Overcoat Time (hr.)	8 - 24
Bond Strength (MPa) (ASTM D4541)	> 1.5 (concrete failure)
Shore D Hardness (ASTM D2240)	69 (after 7 days)

Substrate Requirements and Preparation

The substrate's compressional strength should be a minimum of 20 N/mm², 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.

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.

Shelf Life

Maximum 4 months since the date of production.

Safety information

Please check the MSDS of BASADUR® U 311.

Packaging

Part A: 20.8 kg containers, 200 kg drums
Part B: 4.2 kg containers, 200 kg drums