



Technical Data Sheet

BASADUR® E 103

Primer | Solvent-based | Antistatic

Description

BASADUR® E 103 is a solvent-based, antistatic epoxy primer. Short pot life, good adhesion to the resinous substrate, and a seamless surface that provide a suitable substrate for applying antistatic self-leveling coating are some of its properties.

Uses

It can be applied to a prepared substrate over a conductive copper network to provide a seamless and conductive substrate for antistatic flooring. Then a suitable antistatic, self-leveling, epoxy floor coating must be applied over it.

Also Available from BASA Polymer

Primers

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

Middle Coats

BASADUR® E 200
BASADUR® E 201
BASADUR® E 302

Body Coats / Self Levels

BASADUR® E 325
BASADUR® E 326

Benefits

- Antistatic
- Good adhesion to most substrates
- Easy application

Technical Information

Properties

Solid Content (%) (ASTM D2369)	~ 93.9
Mix Ratio by weight	100:10
Pot Life at 25°C (min)	40
Mixed Density (g/cm³) (ISO 2811)	1.2 approx.
Dry-Hard Time (hr.)	8
Recommended Coverage (g/m²)	150 – 250
Overcoat Time (hr.)	8 - 24
Bond Strength (MPa) (ASTM D4541)	> 1.5 (concrete failure)
Electrical Surface Resistivity (Ω) (ASTM F150-06)	<10 ⁶

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. To install antistatic flooring, first, apply a self-leveling floor coating on a primed substrate. After placing a conductive network on the floor, you can apply the antistatic primer over it.

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 4 months since the date of production.

Safety information

BASADUR® E 103 is highly flammable. For more information, please check the MSDS.

Packaging

Part A: 15.5 kg containers
Part B: 1.5 kg containers

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.