Basa Polymer
Seamless Quality

Technical Data Sheet

BASADUR® E 708
Chemical-resistant Epoxy Novolac Floor Coating

Description
BASADUR® E 708 is a pigmented solvent-based, two-component, epoxy novolac floor coating. Seamless, short pot life, very good chemical resistance, and very good mechanical and physical properties are some of its properties.

Uses
Uses It can be used as a top layer in various industries such as: Industrial manufacturing plants, pharmaceuticals, and other medical facilities, The aviation industry, Food, and beverage production areas.

Benefits
- Excellent chemical resistance
- Hard wearing
- Low viscosity and easy application

Shelf Life
Maximum 4 months since the date of production.

Safety information
Please check the SDS of BASADUR® E 709.

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

Technical Information

Properties	
Solid Content (%) (ASTM D2369)	~ 93
Mix Ratio by weight	100:25
Pot Life at 25°C (min)	15
Mixed Density (g/cm³) (ISO 2811)	1.6 approx.
Dry-Hard Time (hr.)	12
Recommended Coverage per coat (g/m²)	**150-200**
Overcoat Time (hr.)	8 - 24
Bond Strength (MPa) (ASTM D4541)	> 1.5 (concrete failure)
Shore D Hardness (ASTM D2240)	85(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.

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

BASADUR® E708 Chemical resistance

BASADUR® E708 shows high 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® E708		
		1 DAY	3 DAYS	7 DAYS
1	Acetic acid 30%	C	C	C
2	Acetic acid 10%	C	C	C
3	Nitric Acid 10%	A	A	A*
4	Nitric Acid 30%	A*	B*	B*
5	Xylene	A	A	A
6	Phosphoric Acid 30%	A	A	A
7	Hydrochloric acid 10%	A	A*	A*
8	Hydrochloric acid 37%	A*	A*	B*
9	Acetone	B	C*	C*
10	Sulphuric acid 60%	A*	A*	B*
11	Ammoniac	B	B	C*
12	Thinner 20000	A	A	B
13	Citric acid	A	B	B

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