



Photo: BARiT

BARiT ELASTIC B 65 | Clean Room Floor

Augenlinik Vogelsang, Esslingen



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DEFINITION AND PURPOSE

The elastifying BARiT COATING type ELASTIC 665 consists of a two-components system based on solvent-free polyurethane resin packed in mineral fillers and inorganic pigments. ELASTIC 665 layers of 2-3 mm thickness are to be applied.

Quick Info

- bridging over cracks
- jointless
- antiskid with mat surface to BGR 181 R9
- mechanical and chemical resistance
- almost no abrasion
- easy cleaning and disinfection



APPEARANCE

BARiT-ELASTIC B 65 can be installed with a matte or satin finish based on a selection from the BARiT color chart.

Qualitative benefits such as high-quality color stability and intensity characterize ELASTIC B 65 in its creative diversity. It is available in a large color spectrum of RAL colors according to BARiT color charts. A matte surface with slip-resistance class R 9 provides for sure-footed walking.

Specialized colors are available for areas over 200 m² on request.

FEATURES

ELASTIC B 65 is a two-component, low-emission, solvent-free, plasticizer-free, polyurethane resin. Excelling in factors for „Building green“ this surface coating has achieved 7.5 out of a possible 10 points for LEED and DGNB in environmental quality. It can be installed on top of calcium-sulfate based false and subflooring, cement as well as anhydrite flooring, and especially on heated flooring.

The synthesis between professional laying technology and the quality of the material provide for a low abrasion surface that offers good mechanical strength. The coating is installed with a thickness of 2 – 3 mm. ELASTIC B 65 has a high chemical resistance against acids and alkali. The dense surface is water-repellent, dirt resistant and can be easily cleaned and disinfected. In particular, regular recurring or replenishing maintenance cleanings are not necessary. The surface does not need to be initially treated.

For temperature exposure, this coating can handle 120 °C temporarily, 40 °C consistently.

By incorporating a special rubber layer, ELASTIC B 65 can be converted into a soft-sound coating. This coating has been optimized to reduce noise levels and facilitates long and pain-free walking and standing, ideal for research laboratories.

TYPE	ELASTIC B 65
Binding agent	2-K-PUR-resin
Flash point	> 100 °C
Consumption/m ²	1,4 kg/mm
Colour shade	BARiT card of colours
Grade of gloss	gloss/silk gloss/mat
Fire behaviour DIN EN 13501-1	Cfl-s1, hardly inflammable
Bending tensile strength DIN 1164**	elastic
Compression strength DIN 1164**	elastic
Adhesive pull strength DIN EN 24624	> 1,0 N/mm ²
Light-fastness	with finish conditionally resisting to UV
DGNB / LEED	declaration 7,5 point
VOC Emission	Meets the requirements of AgBB
Anti-slip Class DIN 51130	R9, R11, R12
Temperature resistance	120 °C temporarily 40 °C consistently
Chemical resistance	to resistance list and self test
Working under conditions of:	
air humidity	40 - 65% < 80 %
residual moisture of the ground	< 3 %
ground temperature min.	18 °C
ground temperature max.	22 °C
Curing time at 20°C:	
not sticky	after 8-10 hours / 16 hours
walking admissible	after 16-24 hours / 24 hours
final hardness	after 7 days
Mechanical stability	after 7 days
Adhesion strength on concrete	> 2 N/mm ² (fracture on concrete)
crack bridging according to DIN EN 1062-7 with approx. 1.5 mm thickness	test temperature: +23 °C 1,0 mm
ultimate tensile strength according to DIN EN ISO 527	test temperature + 23 °C
Tension	6.0 MPa
Elongation	69,2 %
Test Temperature	+23 °C
Cleaning	BARiT Cleaner*



Recessed box in floor with electric installation

** with prism method - according to AGI Worksheet A 81 and BEB worksheets KH 5, can be decontaminated and fumigated (H₂O₂)
* according to cleaning and care instructions

