



Photo: BARiT

BARiT POWER | Clean Room Floor

Steri, Universitätsklinikum Ulm



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DEFINITION AND PURPOSE

The POWER coating having been developed to assure stability under mechanical and chemical loads consists of a two-components system based on solvent-free epoxy resin packed with mineral fillers and inorganic pigments. The mechanical stability of this coating gets increased by addition of Quarzit. The POWER coating resisting particularly well to compression.

Quick Info

- jointless
- antiskid BGR 181 R9
- mechanical resistance
- chemical resistance
- almost no abrasion
- easy cleaning and disinfection



TYPE	POWER
Binding agent	2-K-EP-resin
Fillers	inorganic/inert
Solid matters	100 %
Flash point	> 100 °C
Consumption/m ²	1,6 kg/mm
Colour shade	BARiT card of colours
Grade of gloss	gloss or mat with finish
Fire behaviour DIN EN 13501-1	Cfl-s1, hardly inflammable
Bending tensile strength DIN 1164**	> 10, N/mm ²
Compression strength DIN 1164**	> 40, N/mm ²
Adhesive pull strength DIN EN 24624	≥ 1,0 N/mm ²
Light-fastness	with finish conditionally resisting to UV
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 - 85%
residual moisture of the ground	< 3 %
ground temperature min.	18 °C
ground temperature max.	25 °C
Curing time at 20°C:	
not sticky	after 8-10 hours
walking admissible	after 24 hours
final hardness	after 7 days
Mechanical stability	after 7 days
Cleaning	BARiT Cleaner*

** with prism method - according to AGI Worksheet A 81 and BEB worksheets KH 5

* according to cleaning and care instructions

APPEARANCE

BARiT RESIN FLOORING - Type: POWER, can be installed with a matte or satin finish based on the BARiT color chart. Specialized colors are available for areas over 500 m² on request. However, industrial flooring does not have to always look neutral and sober. Markers may be useful as indicators for escape routes or restricted zones.

FEATURES

Die BARiT RESIN FLOORING - Type: POWER is a two-component epoxy system based on a solvent free, epoxy resin, enriched with mineral fillers and inorganic pigments. Adding quartzite to the mixture increases the mechanical stability for this coating.

The structure of the flooring and a proper laying technique ensure a surface with low abrasion, which is equipped with good mechanical and chemical resistance. Likewise, BARiT KH FLOORING is resistant to a variety of alkalis, diluted acids, salt solutions, mineral oils, as well as lubricants and fuels. The flooring can be installed with a thickness of 2 - 3 mm. For temperature exposure, this flooring can handle 120 °C temporarily, 40 °C consistently.



Smooth Channel in a Sterile Area with Skirting Protection