



Photo: BARiT

BARiT POWER | Clean Room Floor

Steri, Universitätsklinikum Ulm



Photo: BARiT

Steri, Universitätsklinikum Ulm

## 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 <sup>2</sup>	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 <sup>2</sup>
Compression strength DIN 1164**	> 40, N/mm <sup>2</sup>
Adhesive pull strength DIN EN 24624	≥ 1,0 N/mm <sup>2</sup>
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 m<sup>2</sup> 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