BARiT®

FLOORS WITH PRECISION

Photo: BARiT

BARiT ATEX-COATING, electrically conductive I Clean Room Floor

Hyprid-OP,
Universitätsklinikum Ulm

Photo: BARiT

Frauenklinik, Freiburg

DEFINITION AND PURPOSE

The conductive BARiT-ATEX-COATING consist of two-components systems based on solvent-free epoxy and/or polyurethane resins packed with mineral fillers and inorganic pigments. Layers of 1.5 to 2 mm are to be applied.

Photo: mtp Architekten, Frankfurt

Connection to Partition, DKI, Darmstadt

Quick Info

- conductiv to DIN EN 1081 between 10^4 Ω and 10^6 Ω
- jointless
- in mat surface antiskid toBGR 181 R9
- mechanical stability
- chemical resistance
- almost no abrasion
- easy cleaning and disinfection

BARiT ATEX-COATING, electrically conductive | Clean Room Floor

RAL 9010 pure white

RAL 7001 silver grey

RAL 5024 pastel blue

TYPE	ATEX-COATING POWER/ELASTIC
Binding agent	2-K-EP-resin / 2-K-PUR-resin
Fillers	inorganic/inert
Solid matters	99 %
Flash point	> 110 °C / > 100 °C
Consumption/m²	ca. 1,4 kg/mm / ca. 1,4 kg/mm
Colour shade	BARiT card of colours
Grade of gloss	gloss or mat with finish
Fire behaviour DIN EN 13501-1	Bfl-s1, hardly inflammable
Bending tensile strength DIN 1164**	> 10 N/mm²
Compression strength DIN 1164**	> 40 N/mm²
Resistance to earth DIN EN 1081	$10^4 - 10^6\ \Omega$
Adhesive pull strength DIN EN 24624	> 1,0 N/mm²
Light-fastness	conditionally resisting to UV
Temperature resistance	-20 °C to +70 °C
Chemical resistance	to resistance list and self test
Working under conditions of:	
air humidity	< 75 % / < 80 %
residual moisture of the ground	< 3 %
ground temperature min.	15 °C
ground temperature max.	22 °C
Curing time at 20°C:	
not sticky	after 6 hours
walking admissible	after 16 hours
final hardness	after 7 days
Mechanical stability	after 7 days
Cleaning	BARiT Cleaner*

** with prism method - according to AGI Worksheet A 80 and BEB worksheets KH
* according to cleaning and care instructions

APPEARANCE

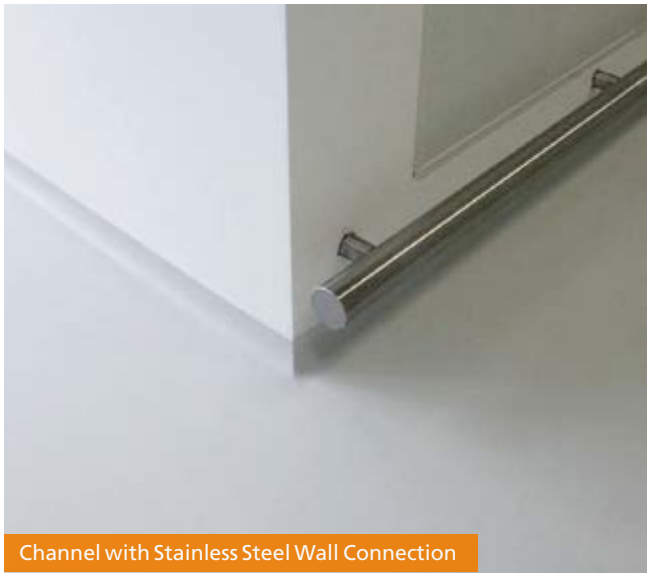
ATEX POWER and ATEX ELASTIC can be installed in a matte or glossy finish according to the BARiT color chart. Specialized colors are available for areas over 500 m² on request.

FEATURES

BARiT Flooring - Type: ATEX POWER, is a two-component system based on a solvent-free, epoxy resin, enriched with mineral fillers and inorganic pigments. Measured according to DIN EN 1081, the discharge resistance lies between $10^4\ \Omega$ and $10^6\ \Omega$.

BARiT Flooring - Type: ATEX ELASTIC, is a flexible two-component system based on a solvent-free, polyurethane resin, enriched with mineral fillers and inorganic pigments. Measured according to DIN EN 1081, the discharge resistance lies between $10^4\ \Omega$ and $10^6\ \Omega$. The elasticity of the coating provides good dampening properties that also makes standing and walking on this surface extremely comfortable.
The use of high quality materials and a professional laying technology ensure that this electrically conductive coating is resistant against abrasions and chemicals.

ATEX POWER and ATEX-ELASTIC are resistant to a variety of alkalis, diluted acids, salt solutions, mineral oils, as well as lubricants and fuels. The flooring's installed thickness is 1.5 - 2.5 mm. A matte finish allows for non-slipping movement.
The seamless surface ensures hygienic protection as well as a sterile environment. The dense surface is waterproof. The seamless and non-porous surface can be cleaned and disinfected efficiently and economically. Both coatings do not need to be initially treated.
For this purpose we offer BARiT Cleaner, which is specifically designed to clean and care for our products.



Channel with Stainless Steel Wall Connection

BARiT Kunstharz-Belagstechnik GmbH
Postfach 100947, 73709 Esslingen, DE

fon: 0049 711 939291-0
fax: 0049 711 939291-9

info@barit.de
www.barit.de