



Photo: BARIT

BARiT ATEX-TERRAZZO, electrically conductive | Clean Room Floor | Kinderklinik Aschau



Connection Surgery Base

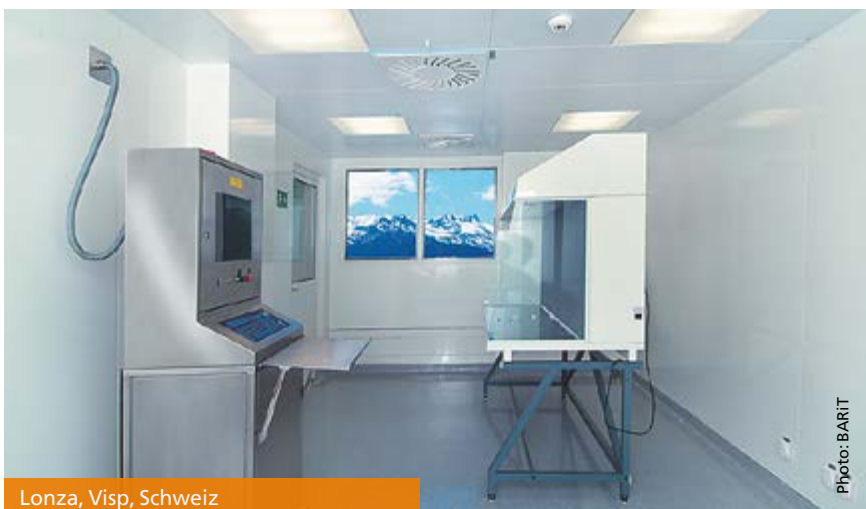
Photo: BARIT

## DEFINITION AND PURPOSE

For elimination of electrostatic charges, BARiT has developed the conductive ATEX-TERRAZZO. Some consists of waterwhite epoxy resin conductive admixtures and granulates coated colourfast with polyurethane resin. A 7 mm thick layer of said TERRAZZO is to be integrated.

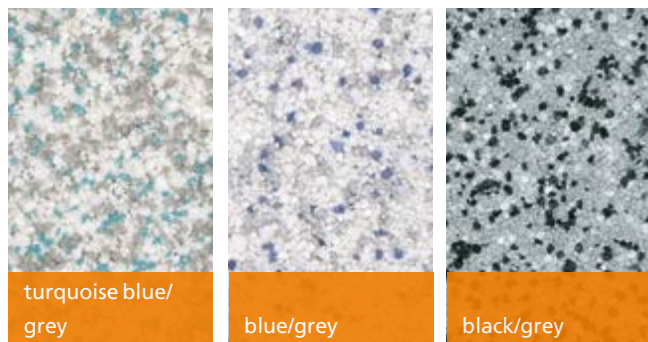
## Quick Info

- conductiv to DIN EN 1081 between  $10^4 \Omega$  and  $10^6 \Omega$
- jointless, non porous
- aesthetic
- antiskid to BGR 181 R9
- mechanical stability
- chemical resistance
- decontaminatable
- almost no abrasion
- easy cleaning and disinfection
- according to ATEX directive



Lonza, Visp, Schweiz

Photo: BARIT



turquoise blue/  
grey

blue/grey

black/grey

## APPEARANCE

The electrically conductive BARiT ATEX TERRAZZO can be installed with blue / white, black / gray or purple / white granules. Despite this surface's conductive additives, it maintains a bright and appealing look that is as enjoyable for a cleanroom production area just as much as in an operating room.

Due to the conductive additives, ATEX TERRAZZO has a cloudy, iridescent and metallic character to the surface.

## FEATURES

The ATEX-TERRAZZO is made of water-clear, epoxy resin and polyurethane coated colorfast granules and is installed in a layer 7 mm thick. Measured according to DIN EN 1081, the discharge resistance for ATEX TERRAZZO lies between  $10^4 \Omega$  and  $10^6 \Omega$ . The synthesis of both high-quality materials and a professional laying technique provides for a surface, which is equipped with good mechanical and chemical resistance.

The structure of ATEX TERRAZZO ensures high resistance to wear. For mobile operating tables or forklift traffic, the surface maintains low abrasion. Pressure strength along with impact strength for the coating is high. Application to walls as well as operating tables is dense without any open pockets or voids.

The seamless and non-porous surface of ATEX TERRAZZO allows for easy cleaning and disinfection. For this purpose we offer BARiT Cleaner, which is specifically designed to clean and care for our products. The coating does not need to be initially treated.

TYPE	ATEX-TERRAZZO
Binding agent	EP-resin
Fillers	special granulate
Solid matters	99 %
Flash point	> 100 °C
Consumption/m <sup>2</sup>	2 kg/mm
Grain	BARiT card of grains
Grade of gloss	silk gloss or mat
Fire behaviour DIN EN 13501-1	Bfl-s1, hardly inflammable
Bending tensile strength DIN 1164**	> 10 N/mm <sup>2</sup>
Compression strength DIN 1164**	> 40 N/mm <sup>2</sup>
Resistance to earth DIN EN 1081	$10^4 - 10^6 \Omega$
Adhesive pull strength DIN EN 24624	> 1,0 N/mm <sup>2</sup>
Light-fastness	conditionally good resisting to UV
Temperature resistance	-30 °C to +70 °C
Chemical resistance	to resistance list and self test
Ease of decontamination according to DIN 25415, Part 1	excellent
Working under conditions of:	
air humidity	40 - 85 %
residual moisture of the ground	< 3 %
ground temperature min.	18 °C
ground temperature max.	22 °C
Curing time at 20°C:	
not sticky	after 12 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 81 and BEB worksheets KH 5

\* according to cleaning and care instructions

ATEX-TERRAZZO is a functional floor that supports the electrical conductivity. Due to application of the coating, ATEX TERRAZZO may obtain variations, accompanied by color shadowing and shimmering. Based on the material used, it is not always possible to avoid clouding in the color.



Connection Operating Room Wall with PU Joint