BARiT®

FLOORS WITH PRECISION

Photo: BARiT

BARiT SEAL | Designer Surfaces

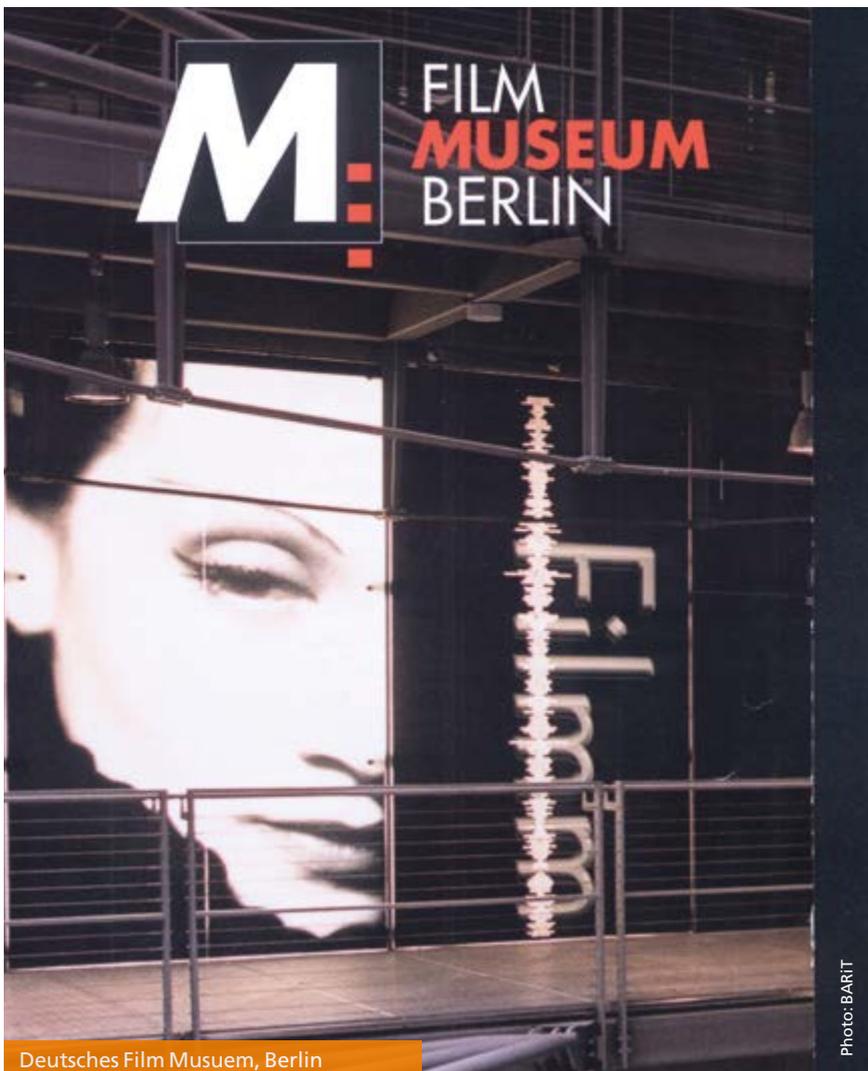Deutsches Filmmuseum, Berlin, Sony Center

Deutsches Film Musuem, Berlin

Photo: BARiT

DEFINITION AND PURPOSE

BARiT SEALS are perfect for accentuating the loft-like character of a mineral subfloor. Polished screed is transformed into genuine designer floors through the transparent BARiT SEALS.

BARiT SEALS are used to create designer floors with a transparent or coloured appearance.

Thus, it is protected against the ingress of contaminants and dust collection caused by abrasion is prevented. Similarly, a sealed floor is water-resistant and can be cleaned and maintained more easily.

A coloured coating creates a lively habitat; a transparent order creates a purist concrete look. The colour range is supplemented by various degrees of gloss.

Quick Info

- seamless
- dust binding
- mechanically and chemically resistant
- low abrasion
- easy to clean
- low emissions according to AGBB
- declared according to DGNB and LEED

APPEARANCE

BARiT SEALS can be applied transparently or pigmented, in satin or matte, depending on the system used for application. Different degrees of gloss are also possible: Matte, satin, glossy.

RAL 7047 telegrey	RAL 7012 basalt grey	RAL 9011 graphite black

Green Building

FEATURES

Type: EXW, pigmented or transparent
The pigmented EXW-Sealant is a two-component system based on a color pigmented, water-dilutable, epoxy resin.
Based on „Building green" this surface coating has achieved 7.5 out of a possible 10 points for LEED and DGNB. It is extremely low emission, solvent-free and therefore emits very minimal odor during application. Full coverage with the sealant is achieved by repeated applications. After 2 – 3 coats, the layer's thickness can be measured at up to 0.5 mm.

Type: D1-55
BARiT Sealant - Type: D1-55, is a transparent, high-gloss, two-component system based on polyurethane resin, which is characterized by good light resistance as well as chemical resistance.

Type: DW11
BARiT Sealant - Type: DW11, is a transparent or pigmented, matte, two-component system based on polyurethane resin, which is characterized by good light resistance as well as chemical resistance.
BARiT sealants are water, oil and petrol resistant, as well as resistant to a variety of alkalis, diluted acids and salt solutions.
For high temperature exposure, BARiT Sealants can handle temperatures between 95 ° C and 150 ° C temporarily.

TYPE	EXW	D1-55	DW 11
Binding agent	2-K-EP-resin, emulsified water	2-K-PUR-resin, in organ. solvents	2-K-PUR-resin, dispersed water
Consumption/m²	100-150 g / process	70-100 g / process	70-100 g / process
Colour shade	colorless/ pigmented	colorless/ pigmented	colorless/ pigmented
Grade of gloss	silk gloss	high gloss	mat / silk mat
Bending tensile strength DIN 1164**	-	-	-
Compression strength DIN 1164**	-	-	-
Adhesive pull strength DIN EN 24624	> 1 N/mm²	> 1 N/mm²	> 1 N/mm²
Light-fastness	not UV resistant	conditionally resisting to UV	conditionally resisting to UV
DGNB / LEED	declaration 7,5 point	–	declaration 7,5 point
VOC Emission	Meets the requirements of AgBB	Meets the requirements of AgBB	Meets the requirements of AgBB
Light-Temperature resistance	95 °C temporarily 70 °C consistently	150 °C temporarily 120 °C consistently	150 °C temporarily 120 °C consistently
Chemical resistance	to resistance list and self test	to resistance list and self test	to resistance list and self test
Working under conditions of: air humidity residual moisture of the ground ground temperature min. ground temperature max.	40 - 85% 4 - 10 % 10 °C 22 °C	40 - 85% 4 - 10 % 10 °C 22 °C	40 - 85% 4 - 10 % 10 °C 22 °C
Curing time at 20°C: not sticky walking admissible final hardness Mechanical stability	after 4 hours after 16 hours after 7 days after 7 days	after 5 hours after 8 hours after 4 days after 24 hours	after 5 hours after 8 hours after 4 days after 24 hours
Cleaning	BARiT Cleaner*	BARiT Cleaner*	BARiT Cleaner*

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