

Project Report/March 2024

Functional and Decorative Floor Coating for Integrated Comprehensive School in Teltow, DE

The new Grace Hopper integrated comprehensive school - School for Creative and Digital Learning - has been constructed in Teltow in the German Potsdam-Mittelmark district. The pedagogical concept of an open learning landscape was implemented in an impressive structural design here: around a central open space, there are five-star shaped learning houses, in which classrooms as well as smaller project rooms, lounges and changing rooms are located.

The project team, the specialist planners from NAK Architekten GmbH and the applicator company EPOWIT Bautechnik GmbH, chose **StoFloor Comfort Elastic BB 100** as the best floor coating system for the 4,000 square meters. The PUR coating system offers the required matt and seamless surface with slip resistance classes R9 and R10. With its good mechanical resistance, it is suitable for chair castors, has high impact and shock resistance, and is abrasion-resistant and UV-resistant. The tested system build-up is also low-emission, reduces the sound of footfall, and limited combustibility. **StoFloor Comfort Elastic BB 100** offers a high-quality optic and also offers decorative design options thanks to its wide range of colour shades. These were skilfully used in this project, for example to separate the classrooms from the corridors and stairwells by choice of colour shade. Ancillary and supply rooms and corridors are also bright and attractively designed. Coloured acrylate chips add additional accents and Sto Ballotini solid glass balls in the sealing coat ensure a slip-resistant surface.

With its properties, **StoFloor Comfort Elastic BB 100** supports the overall concept of open spaces for creative learning.

Properties of **StoFloor Comfort Elastic BB 100**

- StoCretec PUR coating build-up
- For schools, nursery schools, care facilities and day-care centres
- For recreational and social rooms

- High visual quality and decorative
- Functional
- Low-emission
- Suitable for castor chairs (EN 425:19914/elastic coverings)
- Seamless surface
- Reduces sound of footfall
- Limited combustibility
- Crack-bridging
- Good cleanability
- Tested in accordance with the German Committee for Health-related Evaluation of Building Products (AgBB) and an externally monitored system build-up
- Individual, project-specific colour shade design
- In accordance with EN 1504-2, EN 13813
- With Sto Ballotini Ø 53 - 106 µm solid glass beads for class R9/R10 slip resistance
- Colour spectrum: RAL colour fan K 5, NCS

Who & What

Project:	Floor coating integrated comprehensive school Teltow, DE	
Investor:	District Potsdam-Mittelmark, Bad Belzig, DE	
Planner:	NAK Architekten GmbH, Berlin, DE	
Applicator:	EPOWIT Bautechnik GmbH, Berlin, DE	
Realisation:	8/2023	
StoCretec Competences:	StoFloor Comfort Elastic BB 100	
	Primer and levelling coat	StoPox GH 205
	Coating	StoPur BB 100 with StoChips 1 / 3 mm
	Sealing coat	StoPur WV 205 transparent with Sto Ballotini Ø 53 - 106 µm
	Floor finish	StoDivers P 105
	Joint sealant	StoSeal F 505

(Photos: Angela Elbing)















