



SIKA AT WORK

A DURABLE AND SUSTAINABLE FLOOR IN THE BISON SHOW RESERVE OF THE BIALOWIEŻA NATIONAL PARK

SIKA TECHNOLOGIES: Sikafloor®-260 PurCem, Sikafloor®-304 W, Sikaflex® PRO 3

BUILDING TRUST



DURABLE, ENVIRONMENTALLY FRIENDLY AND EASY-TO-CLEAN FLOOR IN THE BISON SHOW RESERVE

THE BISON SHOW RESERVE IS A PART OF THE BIALOWIEŻA NATIONAL PARK. In the reserve, in the conditions similar to the natural ones, bison, Polish "konik" (tarpan like), elk, deer, roe deer, wild bore, żubroń (a hybrid of bison and cattle) and wolves are on display. The display reserve is a substantial tourist attraction. It is also used for natural education for schoolchildren visiting Białowieża. The newly built Educational Pavilion has an area of approximately 1000 m² and has been designed in a passive technology as a one-storey building with a mezzanine and a green roof. The facility is equipped with ecological infrastructure including photovoltaic panels, rainwater recovery, heat pumps, biological wastewater treatment plants.

PROJECT REQUIREMENTS

The investor was expecting a sustainable, environmentally friendly and easy-to-clean floor, which is extremely important for public buildings. Additional requirement was short execution time and a possibility of working in the autumn and winter seasons. It was also necessary to make the floor on a fresh, 10-day substrate, with about 6% moisture content.



SIKAFLOOR® PURCEM: A SMOOTH, NON-FRAGRANCE AND VOC-FREE POLYURETHANE HYBRID SCREED

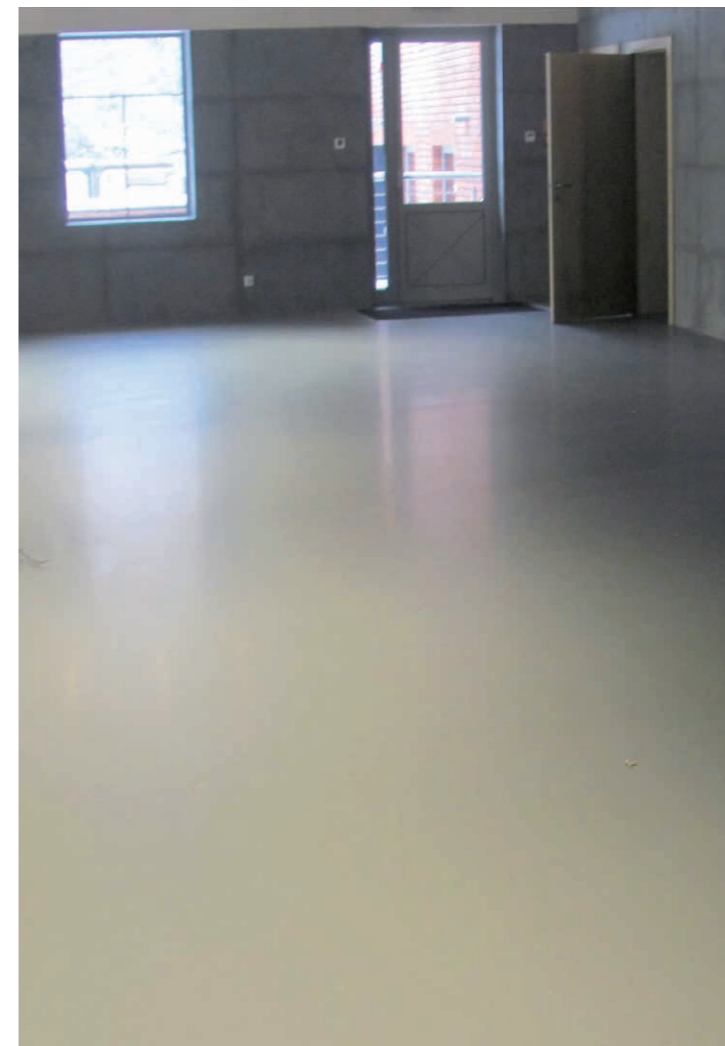
ROZWIĄZANIA SIKA

On the area of 1200 m² in the Educational Pavilion, a smooth, non-fragrance and VOC-free **Sikafloor® 260 PurCem®** in a colour defined as RAL 7046 (telegrey 2, gray) and 2 mm thick was laid out. **Sikafloor® 260 PurCem®** is a water-based, coloured polyurethane hybrid screed with self-smoothing properties and a glossy finish. It has an impervious, scratch resistant and smooth Surface. **Sikafloor® PurCem®** technology enables resin coatings to be applied to substrates with high moisture content.

During the subsequent stages of the construction of **Sikafloor® 260 PurCem®** floor, it was used before it was fully cured, which resulted in scratches on its surface. To restore the appearance of the aesthetic floor, its surface was gently sanded and a thin layer of **Sikafloor® 304 W**

was laid out to mask all scratches. **Sikafloor®-304 W** is a low VOC, clear, two part waterbased polyurethane matte topcoat that is easy to clean.

The floor joints were filled with a flexible **Sikaflex® PRO 3** polyurethane sealing material with high mechanical resistance.





UCZESTNICY PROJEKTU

Owner: Białowiecki Park Narodowy

Investor: Białowiecki Park Narodowy

Project: CDM Smith Sp. z o.o./mgr inż. arch. Marzena Szambelan

Main Contractor: Zakład Usług Budowlanych Robert Łukasik

Subcontractor: PHU Floor Damian Stiler

Sika Poland: Grzegorz Zajęc

Our most current General Sales Conditions shall apply.

Please consult the most current local Product Data Sheet prior to any use.



SIKA POLAND SP. Z O.O.
ul. Karczkowska 89
02-871 Warszawa

Contact:
Tel: +48 22 31 00 700
Fax: +48 22 31 00 800
www.sika.pl

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