NATUROFLOOR

Information for Architects and Planners

No run-of-the-mill product

Naturofloor® is the premium hand-crafted designer covering that makes surfaces truly appealing. It consists of mineral materials and can be applied seamlessly to walls and floors. Naturofloor® is a product that is not available from building material suppliers and is professionally applied solely by our network of certified specialists. This manual process lends every surface its own individual structure and a one-of-a-kind character.

General conditions

Naturofloor® coatings require load-resistant and well-sealed substrates free of cracks and executed in accordance with the valid standards of the Swiss Society of Engineers and Architects (SIA). Following preparations, the substrate must be solid, dry, fine to the touch and load-resistant. It must also be free of cement slurries, loose and crumbly parts, as well as non-adhesive substances such as oil, grease, rubber grit, coating residues or the like. Expansion joints must be taken over and cracks in the substrate cannot be filled in with Naturofloor® alone.

Substrate

Naturofloor® is seamlessly applied as surfacing compound directly to the following substrates and opens up countless design possibilities.

- Cement underfloor: about 30 days old / residual moisture not in excess of 2.5% (CM)
- Anhydrite screed and floating screed (calcium sulphate): about 5–6 weeks old / residual moisture not in excess of 0.5% (CM) / sinter skin must be removed completely, polished within the indicated period
- Primer plaster: dry, free of cracks and dust
- Walls in lightweight design (plasterboard, Fermacell gypsum fibreboard, etc.): mandatory double-planking with reinforced filled seams
- Ceramic panels/tiles: free of cracks and cavities

Shower bases/shower channels

With level-access shower bases, the cement screed topping must be separate from the rest of the floor covering and is not allowed to have in-floor heating. A floor with drainage must have an inclination of at least 2–3%. The shower channels come in various makes and models. Shower channels from Schaco AG have proven reliable in connection with Naturofloor®. The following points should be kept in mind regarding the placement of the shower channels:

- The structure of the channel, the surface must be flat and free of attachments (e.g. Aqua Swiss Line Vario or Flex)
- Jamb spacing when built into the flat surface (adjoining the wall or at least 10 cm from the wall)
- Calculation of the thickness of the coating with in-wall mounting (remove primer plaster, use fabric sheeting)
- Lateral wedge rail for critical edges or upright glass walls

Sealing
The sealed Naturofloor® coating is impermeable in principle but must nonetheless be professionally sealed in the following cases (wet rooms):

- *Shower bases/shower floors, full surface according to SIA
- *Joints between walls and shower bases/shower floors
- Joints with other components (e.g. shower channels)
- Corners in the event of plasterboard walls, movable walls

Mineral seals must be used, not plastic-based seals. We therefore recommend PCI Seccoral 2K Rapid slurry and water-proofing tape.

*Shower base in this context refers to the inclined floor surface to be coated within the shower.

Colour
The Naturofloor® basic colour palette encompasses 210 colours. Further colours can be requested and formulated wherever possible. The dye concentrate is added to the cement on site to assure a consistently coloured coating throughout. In an additional work step, metal effects and/or decorative surfaces can be created. This step is carried out prior to triple sealing.

Sealing
Naturofloor® is a system product applied to walls and floors using the same method. To seal the pores, Naturofloor® coatings are sealed three times. This final layer makes care easy and protects against dirt and various chemicals.

Planning/execution
Naturofloor® is installed in a predefined work process (10 steps). The drying time between work steps varies from 12 to 16 hours depending on the substrate, thus allowing water impingement after 5 days and complete hardening after 20 days. Scheduling for this object is vitally important given the various work steps and drying processes. For an object with wall and floor coatings, a minimum of 10 days is needed.

Technical data
Thickness of wall coating: 3–4 mm (about 5 kg/m²)
Thickness of floor coating: 4–5 mm (about 6 kg/m²)
Density: 2030 kg/m³
Slip resistance: Group 10–11 (depending on the structure)