

BG-FILCOTEN® When opposites,

FILCOTEN® HPC (High Performance Concrete) is a material, that unites outstanding technical properties with ecological sustainability. The engineered high-density structure of HPC makes it possible to construct highly stable lightweight drainage channels – but it's the idea behind it that makes it special.

Unique concept, revolutionary results.

Our engineers wanted to create something which combines two extreme opposites: maximum performance with minimum environmental impact.

Maximum performance, minimal environmental impact.

After meticulous development FILCOTEN® HPC embodied a material that is incredibly strong and has minimal impact on the environment.



Minimal weight

- FILCOTEN® HPC enables ease of installation and handling
- Maintains strength and durability
- Robust concrete elements



Unparalleled strength

- Unsurpassed stability and durability
- High pressure resistance clearly exceeding the requirements per EN 1433 for concrete channels



Resistant to extreme temperatures and UV light

- Maximum frost and de-icing salt resistance
- Tested to ASTM C666, ASTM C39 & ASTM C1202 standards
- UV-resistant



Perfectly positioned in the concrete bed

- Ideal expansion coefficient, in line with the surrounding concrete



Fireproof

- Non-combustible building material – Class A1
- No toxic smoke emission



High drainage performance

- Low water absorption
- Smooth channel surface
- Self-cleaning effect

lead to great things.



Verified Life Cycle Assessment

- Greater ecological transparency according to ISO 14040/14044 and EN 15804
- Ideal for sustainable construction projects



Sustainable production

- Made using 100% green energy
- Resource-saving production process
- 40% from in-house photovoltaic plant



End-to-end resource conservation

- Certified 100% recyclable
- Quality class U-A (certified by the experimental and research institute for construction Salzburg).



Certified sustainability and tested for hazardous substances¹⁾

- Certified environmental and energy management according to ISO 1400 or 50001 at the location of Oberwang / AT
- Certified biologically sound construction material that meets the stringent testing criteria of the IBR, the Institute for Biologically Sound Construction, for heavy metals, VOCs, biocides and radioactivity, styrene free¹⁾

