

Sustainable drainage pipe

Biodegradable non-persistent drainage pipe

Our unique, highly innovative Bio-Drain is 100% biodegradable, but has the same properties as conventional plastics. This reduces the CO2 footprint of every project or work. Sustainable transition can in many cases already take place by replacing a conventional, fossil application with a biobased / biodegradable solution.

Applications

Construction and infrastructure projects have a local and temporary need for a lower water level during excavation and earthworks. This ensures that the excavated foundations or trenches do not fill up with (ground)water. Given the temporary nature of the work, it is optimal when the materials used will decompose into natural substances after use, without harmful residues. This prevents contaminated soil or the obligation to excavate and remove the pipes.

Drainage pipes are used in agriculture, among other things, to regulate the water management of the fields. Unfortunately, sooner or later the technical lifespan of a drainage system also comes to an end. How nice is it then to be able to leave these pipes with peace of mind? Knowing that they are non-persistent, and will therefore completely decompose.

Applications with a temporary character can best make use of a non-persistent pipe. These pipes can therefore remain in place. The pipe breaks down after use, without pollution.

Benefits

- Up to 33% better perforation for better drainage / supply
- No toxic substances, heavy metals or microplastics
- No costs to excavate / remove after use
- Less CO2 during production, less CO2 during use and end-of-life
- Less use of finite fossil raw materials
- Degrades to natural substances and non-persistence after technical lifespan
- Directly contribute sustainably with a significantly lower CO2 footprint



Eigenschappen

Characteristic	Value	Unit
Diameters	60 & 80	mm
Perforation, water permeability	Optimal, also blind possible	
Biobased content pipe	>60	%
Filter material	PLA and/or Sisal or bare	
Sand density filter	450-1000	μ (o90)
Biobased content filter	100	%
Filament material PLA	100	%
Biobased content filament	100	%
Biodegradation pipe filter and filamen	100	%
Functional lifespan complete pipe, depending on soil type among others	36-120	months