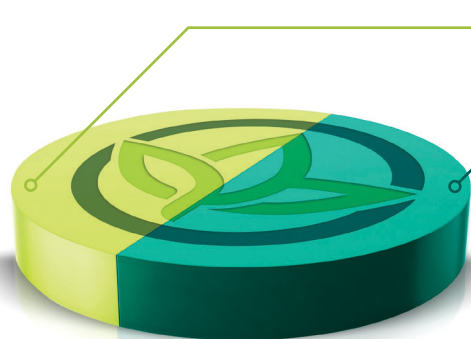


STARTER PLUGS

Technical Datasheet

Composition



1. Sphagnum white peat
– Fine

2. Coir Pith
– Fine



Fibrgro Starter Plugs have been specifically developed to facilitate propagation and are engineered for optimal moisture retention and aeration for fast rooting and growth. They have a unique composition of specially selected fine sphagnum white peat and coir pith. Because of an excellent air-water ratio and easy saturable substrate, the plants' roots will quickly penetrate the entire plug. Fast growth is achieved due in part to the plugs being produced with a balanced NPK fertilizer with trace elements.

Fibrgro Starter Plugs can be processed directly by hand, but the plugs are also extremely suitable for automatic handling. Fibrgro Starter Plugs contain a balanced fertilization but please note: the plugs need to be fertilized throughout cultivation, depending on the crop.

Chemical Analysis

Recipe: OBT 04

1. Sphagnum white peat (Fine)			2. Coir pith (Fine)		
EC	≤ 0.8	mS/cm	EC	< 30	mS/m
pH	5.3 – 6.0	H ₂ O	pH	5.7 – 6.4	H ₂ O
Nutrient	Value ⁽¹⁾	Unit	Nutrient	Value ⁽²⁾	Unit
N _{tot}	4.0 ± 2.5	mmol/l	N _{tot}	95 ± 60	mg/l
P	0.70 ± 0.45	mmol/l	P	37 ± 24	mg/l
K	1.5 ± 1.0	mmol/l	K	118 ± 80	mg/l
N _{tot}	220 ± 150	mg/l			
P	21 ± 14	mg/l			
K	59 ± 39	mg/l			

1) 1: 1.5 volume extraction with demi water

2) 1: 1.5 volume extraction with demi water

*The analyses were carried out based on NEN-EN 12579, 13037, 13038, 13040, 13652



STARTER PLUGS

Technical Datasheet (Continued)

Metals Analysis

Heavy Metal	Value	Unit	Analysis Method
Cr	< 50	mg/kg	NEN – 5763
Ni	< 10	mg/kg	NEN – 5765
Cu	< 24	mg/kg	NEN – 5758
Zn	< 73	mg/kg	NEN – 5759
As	< 5.0	mg/kg	NEN – 5760
Cd	< 0.72	mg/kg	NEN – 6458
Hg	< 0.23	mg/kg	NEN – 6439
Pb	< 65	mg/kg	NEN – 5761

**NEN 5751, 6465
Version 6 - Sept'21
Fibrgro Starter Plug
OBT 04 / Recipe: 1 & 2*

**The analyses were carried out based on NEN-EN 12579, 13037, 13038, 13040, 13652*



Physical Analysis

Test	Criteria	Value	Unit
Water content	% by weight	< 80	%
Water content - dried plug	% by weight	< 20	%
Organic matter	% by weight	85 - 95	%
Bulk density	as dry material	95 - 115	kg/m3
Porosity	volume-fraction pores	90 - 95	%
Water ratio	volume-fraction % , at -10 cm pressure head	60 - 70	%
Air content	volume-fraction % , at -10 cm pressure head	25 - 35	%

**The analyses were carried based on NEN-EN 12579, 13039, 13040, 13041*



Disclaimer

The above product information was prepared to our best knowledge and under the responsibility of Head of Quality. We reserve the right to make changes. All applications and usage recommendations must be understood as non-binding guidelines and must be adjusted to meet local circumstances and code of practice. Hydrotek Hydroponics can not be held responsible for any adverse consequences that may arise when using the data results from this form.

