

ECOBOSC: Peat-free growing media

Green areas are more and more common in our environment. The new concepts of landscaping and improvement of the quality of life have led to the multiplying of green areas, parks, gardens, sports fields and recreational spaces.

Moreover, environmental protection policies have come into effect and this requires businesses and local authorities to undertake major restoration projects in infrastructure works (mines, roads, quarries...) and degraded urban spaces.

Peat-based potting composts have been used to raise and grow-on plants. Due to the concerns about the damage done to the environment, gardeners are now looking for peat-free products or reduced-peat as an alternative.

Concern for the environment and the pursuit of higher levels of quality of life brought **BURES PROFESSIONAL SA**, to design **ECOBOSC**, a product designed to meet the needs of green spaces and environmental restoration projects.

composition

ECOBOSC is a 100% plant origin natural product which, once selected and shredded, undergoes a rigorous aerobic composting process.

The components of **ECOBOSC** are pine bark, heather, coffee ground and leaf litter. Pine bark is the main material in the mix.

The composting process is checked by an accurate quality control program to ensure proper chemical and physical stability of the final product.

The whole manufacturing process and the final product is subject to our rigorous quality standards certified by ISO-9001 and 14001, in order to ensure customer satisfaction and the respect for the environment in all our activities.



properties

As shown in the following table of chemical properties, **ECOBOSC** is a product with neutral pH and low electrical conductivity, due to its vegetal origin. It can be deduced, therefore, that the nutrient level is low, although not too much as **ECOBOSC** is an organic material. The levels of heavy metals are also very low.

PARAMETER	UNITS	VALUES
MOISTURE CONTENT	% m/m	40-50
ELECTRICAL CONDUCTIVITY	dS/m	0,22
pH	-	7,0-7,5
ORGANIC MATTER	% a.d.m	55-65
ORGANIC NITROGEN	% a.d.m	0,80
AMMONIA NITROGEN	% a.d.m	0,04
AVAILABLE PHOSPHORUS	% P ₂ O ₅	<0,3
AVAILABLE POTASSIUM	%K ₂ O	0,5
SOLUBLE MAGNESIUM	%MgO	0,5
AVAILABLE CALCIUM	%CaO	3,0
IRON	% a.d.m	0,9-1,3
C/N RATIO	-	35,5

As for its physical properties, its high porosity is remarkable and allows the product to achieve a



proper easily available water level. At the same time, the non available water content is enough to prevent the material from getting completely dry, which means that **ECOBOSC** is able to retain its moisture even in times of drought.

PARAMETER	UNITS	VALUES
APPARENT DENSITY	g/L	272
TOTAL PORE SPACE	%	84
AIR CONTENT	%	42
EASILY AVAILABLE WATER	%	10
BUFFERING CAPACITY	%	1,5
NON AVAILABLE WATER	%	30,5



applications

ECOBOSC, thanks to its properties, can be used for different functions, among which stand out:

- Growing media: it maintains a stable material aeration, minimizing the risk of root suffocation by lack of air.
- Organic amendment: thanks to its high organic material content, it can be used as soil amendment in poor or failed soils, providing greater water retention and nutrients, amongst other benefits.
- Mulch: it can be applied on the soil surface as mulch in parks and gardens.

Furthermore, the particle size of **ECOBOSC** creates a network of macropores that increases water infiltration through the soil and prevents the hardening of the earth, thus acting as an enhancer of soil texture.

ECOBOSC has also a wide application field in slope stabilization by hydroseeding in environmental restoration projects and gardening in general.

presentation

ECOBOSC is served in bulk with two particle sizes: <18 mm and Superfine <6 mm, special for hydroseeding; thanks to its fine particle size, the product allows for correct placement of the seeds in areas at risk of erosion.