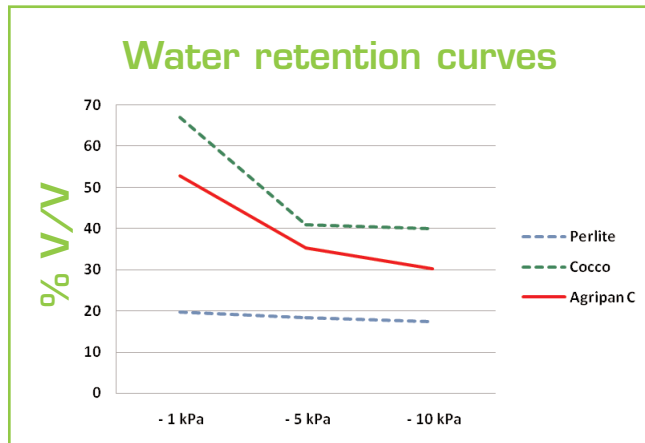


AgriPan C is a grow bag made of coex polyethylene with a external white side treated with ultraviolet light inhibitor and a inner black side thermally stabilized, specifically studied for horticulture and floriculture soilless culture.

For Agripan C we use a mixed substrate composed of Agrilit 3 expanded perlite and coco peat studied for horticulture and floriculture soilless purposes.

The winning features of this mixture is the combination between the perlite high porosity, creating a unasphyxiated media with a perfect gas ratio balance, and the good water retention capacity of coco.



This graphic represents water retention curves of the materials. It describes the amount of water retained by each substrate at different potentials. This is used to quantify the work that plant needs to spend for absorbing water.

More negative is the potential, more work must be done by the plant.

We can observe that in Agripan C perlite assures, with its grain size, a good drainage of the outgoing nutritive solution and a optimal media oxygenation to avoid roots rot.

The organic part ensures a good water reservoir, useful in case of accidental irrigation stop or errors.

In addition coco has a cation exchange capacity able to hold a part of ions solution, creating a longer nutritive availability and buffering pH and EC values.

This features makes Agripan C a media easy to use, studied for those growers who are at the first experience with soilless technique or can't use high tech equipment.

Physical features

Bulk density	100,16 kg/m ³
Total porosity	95,3 %
Water balance	58,75 % v/v
Water retention capacity	47,07 % v/v
Water readily available	17,38 % v/v
Water reserve	5,08 % v/v
Water unusable	24,61 % v/v
Percolation speed	> 1 cm/s

pH
EC
Organic carbon
Cation exchange capacity

Chemical features

6,6
0,1 ds/m
18,7 % (d.m.)
26,00 meq/100g

AGRIPAN C	
Macroelements	(mmol/l)
NH ₄	0,26
NO ₃	0,30
P	0,02
K	0,24
SO ₄	0,20
Na	0,77
Cl	0,30
Microelements	(μmol/l)
Fe	2,73
Zn	0,50
Cu	0,35
Mn	0,28
B	8,84
Mo	0,20

COCO	
Extraction with BaCl ₂	(mmol/l)
Mg	2,0
Ca	7,6
K	0,3
Na	1,2



Quality

Agripan C is produced according to a quality system that fulfills all requirements of EN ISO 9001:2000. That means that all the activities, which have a bearing upon quality, are set out in written procedures. Test equipments and all materials are subjected to systematic and regular checks. In this TDS Perlite Italiana gives information based on recent tests and declares typical characteristics of the products.



The information given in this datasheet is based on actual tests and is believed to be typical of the product.
No guarantee of results is implied however, since conditions of use are beyond our control.

ST 98 09eng.0 2/2



20094 Corsico (Mi) - Alzaia Trento, 7
tel. +39 02 4407041 fax. +39 02 4401861
www.perlite.it info.com@perlite.it