

Jiffy

GROWING SOLUTIONS



JIFFY
PREFORMA

Jiffy Preforma VECO1 Plant Plugs

Technical Data

January 2024

General information

Preforma Plant plugs, produced by Jiffy, are made with a substrate with an RHP-quality mark and meet the RHP standards. Under the RHP-quality mark products can be traced back to the original constituents. The independent Certification institute ECAS checks production files regularly to confirm that substrates are produced in conformity with the specifications.

The foundation RHP is an organization for quality control of horticultural substrates and peat substrates in Europe. RHP checks peat and coir products, other raw materials and substrates according to established standards and requirements. These standards are based on national and international legislation on phytosanitary and environmental aspects. Furthermore chemical, physical, phyto hygienic and common aspects are checked and tested. After analysing and approval, the substrate receives the RHP-quality mark.

This substrate meets the standards as well on general requirements, as on specific issues as heavy metals, radioactivity, plant pathogens and weed seeds.

The raw materials which are used for composing the substrate are not extracted from protected natural areas and in the factories where these raw materials are produced no child labour takes place.

The substrate is produced within the EU.

Product description

Jiffy Preforma VECO1 Plant Plug is a bonded growth medium of coir and peat.

Purpose

To germinate seeds and propagate young plants from cuttings and/or tissue culture.

Preparation

Jiffy Preforma Plugs are ready to use, adding extra fertilizer or water is not needed.

Composition of the substrate used

Cocopeat	70 %
White Sphagnum peat	30 %
NPK fertilizer 12-14-24	0,5 kg/m ³
N fertilizer 15.5	0,6 kg/m ³
Lime	0,6 kg/m ³
Iron	25 gr/m ³
Nutrients from added fertilizers:	
N	153 gr/m ³
P ₂ O ₅	70 gr/m ³
K ₂ O	120 gr/m ³

Chemical data of the substrate used

pH	4,7 – 5,3
EC	0,8 – 1,2

(method 1:1.5 extraction in demineralised water)

Physical data for Preforma Plant plugs

Volume (dry) weight	app. 85 gr/l
Pore volume	app. 95 %
Air volume	> 30%
Moisture	app. 84%

Packaging

Plant plugs are in trays or loose packed in boxes and put on pallets or Danish trolleys

Weight depends on substrate and tray

Size of pallets depends on tray

Storage time and storage conditions

Preforma plant plugs are produced to order and are therefore a fresh product.

The used substrates contain several micro-organisms, which are present by nature in these substrates and play a very important role in 'soil life'.

For an optimal result of the Preforma plant plugs they must be used as fresh as possible.

At all times, the storage must be:

- out of direct sunlight;
- with closed packaging;
- preferably under cooled ($\leq 10^{\circ}\text{C}/50^{\circ}\text{F}$) circumstances.

In case the packaging is opened, it should be closed again with foil to prevent possible drying out of the plant plugs.

In case the storage of the plant plugs is not cooled, we advise to use the plugs within 3 weeks after production date. At longer unconditioned storage the plugs are still good for use, but there is a possibility that the chemical and physical properties will change slightly. This is a natural process, among other things caused by the micro-organisms present. After longer time the plug can become a bit drier and a bit more shrinkage of the plugs can be observed.

From practical experience the maximum storage time in un-cooled storage is 12 weeks after production date, which however gives no guaranty for an optimal usage, because the storage conditions can vary per situation.

Depending on the storage temperature and time it is recommended in case of doubt to do a chemical analysis to determine if extra fertilizing is necessary.

The use of plant plugs after the above-mentioned maximum storage time is for the users own risk. Jiffy Products International BV cannot give guaranties for this anymore.

It is highly recommended for export to use cooled containers / cooled transport.

Micro-organisms in/on Preforma plant plugs

Preforma plant plugs are not sterile growth media, but contain many harmless natural micro-organisms of which some play an essential role in 'soil life', but very few can be harmful for plants or humans. Although Jiffy will make a maximum effort to supply Preforma plant plugs that are free of plant - and human pathogens (see also declaration 'Raw materials used at Jiffy'), we cannot guarantee that these will always be absent. Based on many years of experience we can state that the risks for plant- and human pathogens are very low to none. With the implementation of ISO 22000 we have taken an even bigger effort in better controlling the risks for human pathogens (see also declaration 'Human Pathogens Jiffy').

Under certain favourable conditions some non-pathogenic micro-organisms (mostly fungi) can appear on the surface of Preforma plant plugs. This can take place during storage, depending on storing conditions (see section 'Storage time and storage conditions'), and/or during cultivation of plants, depending on the season/cultivation climate. Factors that play a role in creating ideal conditions for this colonization are nutrition, light, temperature, moisture and (absence of) competition with other micro-organisms. In nearly all cases, the visible micro-organisms will be an esthetical problem that will disappear when plugs are in the greenhouse and supplied with water. In some situations a possible additional action is needed which can be discussed together with the Jiffy representative.

In any event Jiffy accepts no liability whatsoever for damage to property and financial loss caused by the omnipresent colonization of micro-organisms on or in the Preforma plant plugs.

More information

For more information [click here](#)

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