SOPARCO bio

Innovation for growing

SOPARCO BIO

For over 10 years, SOPARCO has been constantly monitoring the development of so-called «ORGANIC» materials through close collaboration with both laboratories and industries; moreover, the company regularly undertakes testing campaigns with the aim of creating new containers.
Thanks to such extensive experience, SOPARCO's technical teams have produced the first line from highly innovative materials.
In an international context increasingly based on the notions of green economy and sustainable development, SOPARCO is thus in a position, through its product selection, to provide an initial glimpse not only to its customer base but to major actors in the field of plant distribution.
These items naturally comply with a rigorous set of specifications and have been thoroughly tested.
Manufactured at the industrial scale, they have undergone a production process identical to that of plastic pots.

A COMPREHENSIVE APPROACH

Over the past several years, SOPARCO has adopted an eco-responsible approach throughout its industrial process.
This choice is also an integral part of the company's new product development strategy.
Soparco staff attend in-house sessions to build awareness of how to generate less waste.

A few of the areas where Soparco is currently focusing efforts :

- More lightweight packaging.
- Use of recycled packaging materials (wood and cardboard)
- Preference for raw materials of European origin, so as to reduce material transport
- Production of thin-walled pots and development of thermoformed product lines to limit the amount of plastic used.
- 85% or more of plastic material transformed from recycled waste.

Soparco also proposes solutions to support its clientele in this effort:

- Introduction of the «Horti-Eco» service designed to recover used containers from garden nurseries for recycling purposes
- Development of differently-shaped product lines (square-round, trays) to optimize plant transport during shipment and thereby reduce the carbon footprint.

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MATERIALS

STANDARDS AND THE ORGANIC LABEL

All the «bio-sourced» materials we selected are biodegradable in the natural environment.

In some cases, we need to add mineral loads (in small percentages) in order to improve a number of mechanical properties of the organic pots and containers, while lowering manufacturing costs. These loads are also of natural origin.

The majority of materials used comply with Standard EN 13432, which ensures :

- an absence of ecotoxicity (i.e. no pollutants)
- thin (0.4 mm) composition and a 90% biodegradation rate within 6 months, when placed in an industrial compost.

Nonetheless, for some horticultural applications, the need for sufficiently long resistance during plant growth requires the production of certain containers (trays) with thicknesses greater than 0.4 mm: the condition of industrial compost degradation remains mandatory, yet obviously with a longer biodegradation period.

STORAGE

«Organic» products are manufactured using natural and plant matter, which is less stable than plastics; they are capable of reacting with the ambient environment (intense heat or excessive humidity), in which case slight deformations may arise.

For these reasons, we advise you to quickly use the products you've ordered and avoid any prolonged storage periods (storage in heated greenhouses is to be avoided, as is summer storage).

USE GUIDELINES

The «Organic» pots and containers are to be used just like plastic containers.

Their resistance during plant growth is quite high; moreover, their removal and mechanization characteristics are identical.

Even though they are biodegradable in the natural environment, we still recommend not to plant in the ground with these containers (except for the special case of the Napac line of pots). Over the short term, pot walls will prevent both a rapid colonization of the roots in the soil and the ability to absorb humidity from the medium, which in turn will interfere with the plant's rapid and optimal striking.

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SOPARCO bio

OK compost VINÇOTTE *

* For Duo 9, 10.5 and 12 cm

THERMOFORMED DUO BIO FIBRA 5° LOW

Art. Code	Designation Ø ext. x H (cm)	Volume (l)	Material	Number per box
44124500	9 x 6,8 Es	0,30	Bio Fibra	1 450
44324500	10,5 x 8 Es	0,48	Bio Fibra	920
44454500	12 x 9,1 Es	0,75	Bio Fibra	570
44504500	13 x 10 Es	0,90	Bio Fibra	456

TECHNICAL INFORMATION

Soparco's «Organic» range of thermoformed pots are manufactured using «bio-sourced» materials. The industrial and automated fabrication process for these pots has been designed and validated in-house.
These thermoformed pots can be removed from one another by machine and used with the same irrigation systems as those made from recycled polystyrene or polypropylene.

RAW MATERIALS

The materials are produced in Europe from vegetable oils, which are of primarily European origin and entirely renewable; for the most part, they are composed of fibers and matter from non-food cellulosic sources (wood).
The pots are biodegradable in the natural environment as well as being compostable in an industrial compost.
We advise however against ground planting using these pots since the speed of degradation, even though it is relatively quick, it still does not allow plant roots to immediately colonize the surrounding soil and thus to benefit from rapid striking and development.
Tests were conducted with these organic pots in order to validate their resistance during the growing period. Nonetheless, the behavior of certain types of plants might require a higher watering frequency than for plastic liners.

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SOPARCO bio

OK compost VINÇOTTE

LINERS BIO FIBRA

7 x 7 x 6,2 for PM6 and PM10

8 x 8 x 7 for GM

Art. Code	Designation	Volume (L)	Material	Number per box
46124500	7 x 7 x 6,2	0,20	Bio Fibra	1968
46714500	8 x 8 x 7	0,30	Bio Fibra	1239

TECHNICAL INFORMATION

Soparco's «Organic» range of liners are manufactured using «bio-sourced» materials. The industrial and automated fabrication process for these liners has been designed and validated in-house.
These liners can be removed from one another by machine and used with the same irrigation systems as those made from recycled polystyrene or polypropylene.

RAW MATERIALS

The materials are produced in Europe from vegetable oils, which are of primarily European origin and entirely renewable; for the most part, they are composed of fibers and matter from non-food cellulosic sources (wood).
The containers are biodegradable in the natural environment as well as being compostable in an industrial compost.
We advise however against ground planting using these liners since the speed of degradation, even though it is relatively quick, still does not allow plant roots to immediately colonize the surrounding soil and thus to benefit from rapid striking and development.
Tests were conducted with these organic liners in order to validate their resistance during the growing period. Nonetheless, the behavior of certain types of plants might require a higher watering frequency than for plastic liners.

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SOPARCO bio
SCHWARZ

INSPIRED BY NATURE

THERMOFORMED BIOCERES 5°LOW

Art. Code	Designation Ø ext x H (cm)	Volume (l)	Material	Number per box
4412B1ZI	9 x 6,8 Es	0,30	Bio Ceres	1450
44324871	10,5 x 8 Es	0,48	Bio Ceres	920
444548ZI	12 x 9,1 Es	0,75	Bio Ceres	532
445048ZI	13 x 10 Es	0,90	Bio Ceres	456

TECHNICAL INFORMATION

Soparco's Organic line of pots are manufactured using molds that have been specially dedicated and adapted to new «bio-sourced» materials developed in-house. The industrial and automated fabrication process for these pots has been designed and validated in our workshops.
This line of pots meets the same requirements and features the same characteristics as those produced from recycled plastic material and can be removed by machine.

RAW MATERIALS

Bio sourced 100% renewable and natural polymere material, recycled rPLA, and a natural additive vegetal binder improving materail flow and plasticity. The compliance of the pots with intensive plant production has been valitated by Max Schwarz ag Villigen(Switzerland) and its subsidiaries.

The pots are biodegradable in the natural environment as well as being compostable in an industrial compost.

We advise however against ground planting using these pots since the speed of degradation, even though it is relatively quick, it still does not allow plant roots to immediately colonize the surrounding soil and thus to benefit from rapid striking and development.

Tests were conducted with these organic pots in order to validate their resistance during the growing period. Nonetheless, the behavior of certain types of plants might require a higher watering frequency than for plastic liners.

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