



**PRODUCT INFO  
& DATASHEET**

## **SICOFLO<sup>®</sup>R PEAT SUBSTRATES and PEATMOSS**

*Topquality directly from ESTONIA at most competitive prices,  
in 70 lt (EN)  
For VISIBLE SUCCESS !*

12/2023

### **1/ GENERAL INTRODUCTION**

We, SAP International Corporation (SICO), supply SICOFLO<sup>®</sup>R growing media and multiplication systems to help our world-wide customers for visible success. Supplying our growing media to growers worldwide, we enable cultivation of a healthier crop, every year again.

With our Estonian growing media we lower growers' cost price by loading more per 40ft container and enabling growth of a healthier plants and more homogenous crops. (A more precise crop management is possible thus lowering the use of water, fertiliser and chemicals.

All SICOFLO<sup>®</sup>R growing media are produced according to the high Dutch quality standard RHP which is controlled by the independent organisation ECAS.

In general, all our products are usefull for all plants and plant stadia grown in a container. Our pricelist / product survey contains only the most sold and proven items.

We deliver consistent products, based on our own Estonian raw materials. Mixtures have the right technical specifications to produce your plants, through all plant stages from starting material to endproduct. You might experience a lower use of fresh water, fertiliser and plant protection, because of the fact you have a better average growth = an advantage when water is hardly available, expensive, or when you must treat and clean your own waste water before disposal. In general, you can conclude that SICO is lowering your costprice per product.

### **2/ SICOFLO<sup>®</sup>R PEAT SUBSTRATES (SPS) AND SICOFLO<sup>®</sup>R PEATMOSS (SPM) DIRECTLY FROM ESTONIA**

From Estonia we deliver SPS (Sicoflor Peat Substrates), making it possible to deliver straight from the source. We concentrate on peat-based mixtures made of Baltic milled peat and Baltic block peat.

We deliver substrates compressed in 70 ltr bags (as per EN norms).

### **3/ SICOFLO<sup>®</sup>R SPECIAL SUBSTRATE BLENDS (SSB)**

SICOFLO<sup>®</sup>R SSB (Special Substrate blends) is a product line specially developed for growers in need of a better plant. SSB substrate blends **contain a special mineral binder providing a binding effect to the substrate**. This mineral sticks to the other raw materials used, **maintaining the air content at a high level**.

A better release of SSB from the tray enables handling of young plants for crafting or sorting, whether handled by hand or machine. This work can often be done at an earlier stage. The stress caused to the plant by transplanting is minimized due to the consistent shape of the plug. This results in a more economical use of the plant handling equipment and/or of the hands needed. That means less losses, less labor needed for replanting missed spots and ultimately in a higher yield. Special tray-filling equipment may be needed to get the optimal binding effect of the mineral binder. To produce well shaped pressed blocks is not difficult anymore either.

### **4/ USE OF SICOFLO<sup>®</sup>R SUBSTRATES**

When using SICOFLO<sup>®</sup>R substrates, please add sufficient water in the start of the process for an optimal result. Using SSB mixtures for pressed blocks demands an optimal moistness of about 65-70%. A small variety of moist content may have a strong impact on the result. When producing pressed blocks squeeze moistened soil in your hand. When you notice a shine of water between the fingers the soil is ready to use. When water is flowing freely it is too moist, or the water hasn't been bonded in the substrate. Allow some time to let the substrate absorb the water. When filling trays, the moist content should be approximately 60%. Avoid bouncing back caused by using too dry substrates.

### **5/ RESILIENT GROWTH**

Our SSB mixtures have a high CEC-value; buffering pH and plant nutrition, as well as water. This results in even more advantages for the growers. Plant growth will be more resilient. Plants are less vulnerable for fungi and stress, caused by a lack or overdose of water and/or fertilisation. We enable optimal water management. Restraining growth by keeping the substrate dry and still being able to rewet again is making cultivation easier. In general plants will appear darker green and healthier.

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy itself of the suitability for its own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

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A bigger water buffer ensures a better shelf life of the product. The experience the grower has with out SICOFLOR substrates, and especially SSB, is depending on numerous factors, but the tendency will be as described.

## **6/ LIMITED RISK FACTORS – RHP quality mark**

The consistent high-quality is one of the main characteristics of the SICOFLOR substrates we deliver. All SICOFLOR substrates carry the RHP certificate securing our customers a consistent high-quality product every single batch.

The RHP quality mark has been developed by the RHP Foundation to guarantee the products' quality throughout the entire production chain, from extraction of the raw materials, to processing and delivery to our customer. As the RHP quality assurance system covers the entire production chain, risk factors for our customers are minimised.

## **7/ GUIDELINES**

We sell all products per full pallets; everything on heat treated (HT) pallets. The quantity mentioned per 40ft container is the number of the units (70 ltr bags EN norm (= 80 ltr DIN norm) that fit in one container.

For best storage, keep all products in the original packaging in a cool, dry and dark environment.

Shipping and documentation are handled by our own forwarding department. They should be informed if you need extra demurrage time (not always possible or at extra freight cost). We normally use the cheapest shipping option. We depend on your information regarding the country's specific transport rules. If not limited, we load approximately until the maximum payload of the container: 27-28 ton per 40ft.

- The letter codes SPS and SPM stand for Sico Peat Substrates and Sico PeatMoss. Peatmoss doesnot contain fertiliser nor lime.  
The codes BP, M and BIO are mixtures suitable for respectively Bedding Plants, Multiplication and Organic (bio) cultivation. Mixtures named SSB contain an additional mineral.  
The best practice is to add approximately 8-10 ltr of water to a 70 ltr (EN norm) bag before using the substrate.  
Please pay extra attention to water and fertiliser management.
- In our pricelist / product survey the first six digits of the item number represent the item, the last four digits the type of packaging and content.  
-> 70 ltr bags : \*1170 (except Bio Blend = packaging \*2170)
- Production time is 4 until 6 weeks u.c.e. **We load a maximum of three different mixtures in one container, and we need a minimum of 6 pallets per product per order and a minimum order of 2 x 40ft containers** (in order to keep down all over costs per shipment). We produce only upon receiving an order. (We never keep stock.)

To be able to assist you in selecting the right SICOFLOR product, please ask the following questions to your customer :

- Crop, cultivation period, cultivation in greenhouse or outside, watering system (dripper, overhead, ebb flood, NFR, ...)
- Size of the pot or tray: diameter and height of each plug ?
- What kind of structure does the customer prefer: 0-8 mm, 0-20 or extra coarse ?

**SICOFLOR SUBSTRATES = Every time the right solution**

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