



**PRODUCT INFO  
& DATASHEET**

**SICOFLOR BALTIC PEAT SUBSTRATES (Latvia)**

**SICOFLOR® BALTIC PEAT**  
**SPECIAL MIX SUBSTRATE 80/20 + CLAY POWDER**  
*Fine structure (Art. No. BPS 7) - Origin: Latvia*

revised 02/2021

**COMPOSITION & FERTILISATION**

Mixture of 80 vol.-% white peat, 20 vol.-% black peat, lime, NPK 18-10-20 fertiliser, clay powder, micronutrients, trace elements and wetting agent.

For the propagation of salt-sensitive crops. Suitable for trays and pots sized up to 8 cm. Improvement of water capacity due to addition of black peat and improvement of nutrient buffering due to addition of clay powder.

**STRUCTURE:** fine

**CHEMICAL PROPERTIES**

pH value (CaCl <sub>2</sub> )	5.2 - 6.0	<b>Nutrients (available for plants) :</b>	
Salt level (KCl)	0.5 – 1.1 g/ltr	Nitrogen (N)	85 - 195 mg/ltr
Electrical conductivity (µS/cm) (50 ml substrate in 180 ml Aqua dest.)	270 – 330	Phosphate (P <sub>2</sub> O <sub>5</sub> )	50 - 110 mg/ltr
		Potassium oxide (K <sub>2</sub> O)	145 - 240 mg/ltr

**SOME SUGGESTED APPLICATIONS**

Is suitable for e.g. sowing and pricking out of young plants or for re-potting in plug-trays and small pots (due to the fine structure). The clay powder is improving the holding capacity of the water and the nutrients and it helps to sort of "fix" the substrate around the roots.

Suitable for e.g. flower young plants and vegetable young plants.

**\* EFFECT**

- increases the air capacity and improves the structural stability
- increases the water holding capacity and improves the water uptake
- the fine granulation provides for an optimal distribution of the clay. Its high buffer capacity counteracts fluctuations of salinity and pH-value
- adapts perfectly the pH-value to the specific requirements of the plants
- supplies the plants immediately with all macro and micro-nutrients
- improves the water uptake of the substrate. particularly of the dry material
- supplies the plants with slow release nitrogen
- supplies the plants additionally with: Mg, B, Cu, Mn, Mo, Fe and Zn

**STORAGE**

Store cool, dry. Protect from moisture & direct sunlight and drying out. Close opened bales tightly. Indicated nutrient contents refer to values established at moment of packing by the producer and can undergo natural changes during storage.

**PACKING**

250 ltr bales

This new 250 ltr peat bale (INPUT) content indication is according to the new European standards (EN) equals to the old 278 ltr. bale according to DIN (= but is same content). There is quite a difference between INPUT and OUTPUT. We compress the products into the bale. The OUTPUT will be quite more than the INPUT. Attention: some unscrupulous suppliers mention the OUTPUT as content on their offers. !

Continuous control tests by independent organisations ensure consistent quality. Before use please ensure that the substrate is sufficiently moist. We suggest that you combine these products with orders for other products from the SICOFLOR® product range. (see Sicoflor German growing substrates & potting soils)

**IMPORTANT INFORMATION**

All product information ceded by us was produced to the best of our knowledge and belief. There is no claim regarding their completeness and continuing or remaining correctness. We reserve the right to make changes in particular.

The deviations of the chemical substrate properties are within the tolerance limits in accordance with the guidelines of the quality association Substrate für Pflanzen eV (substrates for Plants, Limited Liability Company). All application and/or use-related recommendations on our part should be understood as non-binding guidelines and must be adapted to the local and usage-dependent conditions. Our products should be stored in a cool place away from the sun and condensation, otherwise we cannot assume any liability. Moreover we do not accept liability with regards to the occurrence of saprophytic organisms and possible consequences eg. growth of fungi. Our products are supplied with official phytosanitary certificate on request.

**SICOFLOR BALTIC PEAT SUBSTRATES (Latvia)**

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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# SICOFLOR SUBSTRATE 1 80/20 + CLAY POWDER

(Art. No. BPS 7)

## Certificate of analysis & Technical data

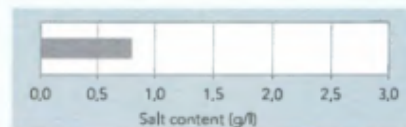
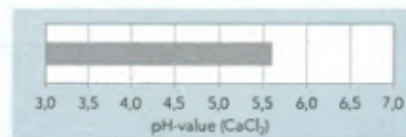
**Field of application:**

For the propagation of salt-sensitive crops. Suitable for trays and pots sized up to 8 cm. Improvement of water capacity due to addition of black peat and improvement of nutrient buffering due to addition of clay powder.

Technical data:



Chemical characteristics (at the moment of production)



**Recipe:**

pH value * (CaCl <sub>2</sub> )	5,6
Salt content * (g/l)	0,8
N-nitrogen * (CaCl <sub>2</sub> )	140 mg/l
P <sub>2</sub> O <sub>5</sub> -phosphate * (CAL)	80 mg/l
K <sub>2</sub> O-potassium * (CAL)	190 mg/l
Structure	fine
PG-Mix 18-10-20	0,80 kg/m <sup>3</sup>

Mineral nutrients have been added to the substrate.

- contains wetting agent
- contains clay
- contains sand
- contains slow release fertilizer

Potting, pot size:

- 7-9 cm
- 8-11 cm
- 8-14 cm
- >12 cm
- Cont. >1 l
- Cont. >3 l
- customized
- Trays
- General propagation, soil blocks
- Growbag
- Tubs
- Hanging baskets
- Planting soil
- Lawn

\* Deviation according to the quality parameters established by the Gütegemeinschaft Substrate für Pflanzenbau e.V. (German Quality Assurance Association Growing Media for plants)

### Constituents and additives

- Slightly decomposed baltic raised-bog peat (white peat)
- Strongly decomposed baltic raised-bog peat (black peat)
- Bentonit of high sorption capacity
- Lime (Calcium carbonate)
- Top-Quality compound fertilizer
- Wetting agent Instant plus
- Slow release nitrogenous fertilizer
- Micro-nutrient fertilizer

### Effect on the substrate

- increases the air capacity and improves the structural stability
- increases the water holding capacity and improves the water uptake
- the fine granulation provides for an optimal distribution of the clay. Its high buffer capacity counteracts fluctuations of salinity and pH-value
- adapts perfectly the pH-value to the specific requirements of the plants
- supplies the plants immediately with all macro and micro-nutrients
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**Advice:**

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