



## **Klasmann-Deilmann**

Experts in substrates for horticulture

Klasmann-Deilmann, founded in 1913, is the leading group of companies in the international substrate industry with production sites in Germany, Lithuania, Latvia, Ireland, Belgium and the Netherlands. The distribution network in more than 70 countries consists of sales companies and trade partners covering Europe, Asia/Pacific, America, Africa and the Middle East. Klasmann-Deilmann has specialised in a wide range of growing media based on sphagnum peat moss and other constituents for various horticultural segments and applications.

## Quality Assurance & Social Responsibility



Klasmann-Deilmann peat substrates are RHP certified. RHP is an autonomous body partly controlled by European government that keep a strict check on the peat fields before harvesting peat to make sure that the raw material is free from insects, pests, harmful nematodes and not from agriculture fields.

Klasmann-Deilmann takes up mission statement based on ISO 9001 and ISO 14001 certifications as a constant challenge and responsibility for people, the environment and upcoming generations.

Klasmann-Deilmann's sustainability strategy since 2013 includes a carbon footprint verified in accordance with ISO 14064.



## Klasmann Deilmann Sphagnum Peat Moss

Klasmann Peat Moss is a natural organic growing media produced by a humification process by decomposition of Sphagnum papillosum spp. for more than 5000-8000 years under anaerobic conditions. Klasmann peat moss is acidic in nature, free of pathogen, nematodes, microbes and weed seeds. Thus, Klasmann Peat moss is the best substrate used in professional horticulture for young plant nursery production, amateur pot plants, vertical gardens, light weight green roofs and modern landscapes.

The harvested peat raw material is milled, screened and fractioned in different structures from 0-5mm, 1-7mm, 5-15 mm, 0-25 mm upto 0-70 mm suitable for various applications.

The original low pH 3-4 of peat is adjusted to pH 6 by adding lime.

The finished peat substrates from Klasmann comes pH balanced, with primary nutrition of macro/micro elements supporting healthy plants.



## BENEFITS

- ✦ Stable pH (5.5 -6.5) improves nutrient uptake by plants.
- ✦ Low EC with good nutrient buffer after nutrition.
- ✦ Free of pathogens, nematodes and weed seeds.
- ✦ Rooting and germination success up to 99%.
- ✦ Uniform particle size and thus, uniform plants.
- ✦ Faster and vigorous plants increasing production capacity.
- ✦ Reduced Irrigation cycles.
- ✦ Profuse white root development.
- ✦ Best quality hardened plants.
- ✦ Better structural stability of substrates with stable root ball.
- ✦ Easy to pluck from trays and thus fewer transplanting shocks.
- ✦ Reduced shrinkage of substrates in pots.
- ✦ Good looking plants with attractive blossoms.
- ✦ Compatible with any kind of growing media for self-mixing in pot plants.
- ✦ Reduces compaction of substrates due to its air capacity.



## USAGE

- ✦ Open up 200 L bale and loosen the compressed bale to make it loose.
- ✦ Add around 20 - 25 L water per bale and mix homogeneously to make it ready to use.
- ✦ Check for water between fingers when media squeezed hard by hand.
- ✦ Fill the trays / pots using substrate with medium compaction to ensure uniform filling.
- ✦ Water the plants after planting in trays / pots to have a better contact with substrate for rooting.
- ✦ Mix Klasmann peat moss with other additives like coco, coco chips, perlite, vermiculite, clay, organic manures on volumetric basis for perfect combinations.
- ✦ Test for final pH (not more than 6) and EC (not more than 1.5 – 2 mS/cm) of the combinations to have perfect growth of the plants.



### Klasmann Plug Mix recipe. G43



- Structure: 0-2 mm; Fertilizer: 1 Gm/ L  
14:10:18 NPK + trace elements
- Applications / Usage:
- Propagation Mix
  - Vegetable and ornamental seedlings.
  - Rooting of cuttings.
  - For trays size of 98/104/ 102/ cells and paper pots (20mm, 30mm and 40 mm dia)
  - Packaging: 200 L purple bag

### Klasmann TSI Special rec. G44



- Structure: 0-15 mm; Fertilizer: 1 Gm/ L  
12:14:24 NPK + Trace elements
- Applications / Usage:
- Propagation Mix
  - Primary and secondary hardening of tissue culture plants
  - For rooting of ornamental cuttings
  - Paper pots
  - For trays size of 102/40/50/ 70 cells and for paper pots (40mm and 50 mm dia)

### Klasmann TSI Medium Basic rec. 085



- Structure: 0-25 mm; Fertilizer 1 Gm/ L  
14:10:18 NPK + Trace elements
- Applications / Usage:
- Secondary hardening of all plants
  - Small pots with volume < 1 L
  - Self- mixing of substrates by the growers with other additive
  - Tray size 8-10 cavity per tray

### Klasmann Base Substrate 3 Coarse Fibrous rec. 414



- Structure: 0-70 mm; Fertilizer: No NPK but Trace elements @150 Gms/m<sup>3</sup>
- Applications / Usage:
- Self- Mixing of substrates for pot size > 1 L
  - Can be used solely or mixed with other additives.

### Klasmann TSI fine rec. 876



- Structure: 0-5 mm; Fertilizer 1 Gm/ L  
14:10:18 NPK + Trace elements
- Applications / Usage:
- Basic product used for vegetable and ornamental seedlings
  - For trays size of 104/ 102 and paper pots (20mm and 30mm)

Imported and Distributed By:

**BLOSSOM AGRITECH**

127-B, Second Street, S.A. College Road, Rahmath Nagar,  
Tirunelveli 627011, Tamilnadu, INDIA.

Email: [sales@blossomagritech.com](mailto:sales@blossomagritech.com), [info@blossomagritech.com](mailto:info@blossomagritech.com)

Phone: +91 9443446313 , +91 7708733099

[www.blossomagritech.com](http://www.blossomagritech.com)

**Vinayak Kulkarni** (Company Representative)

Consultant- Business Development (India)

For Klasmann Deilmann Asia Pacific Pte Ltd,  
D- 704, Ganga Aashiyana, Opp. Aditya Birla Hospital,

Thergaon, Chinchwad,

Pune 411033, Maharashtra, INDIA.

Mobile: +91 9423457355

Email: [Vinayak.kulkarni@klasmann-deilmann.com](mailto:Vinayak.kulkarni@klasmann-deilmann.com)

[www.klasmann-deilmann.com](http://www.klasmann-deilmann.com)