



THE PRINCIPLE OF ORGANIC WASTE TREATMENT WITH GORE™ COVER



Take just as much favourably priced nature as possible and as much intelligent technology as necessary. Or more precisely: GORE™ Cover.

It consists essentially of three components: aeration, control, and the membrane cover. Brought together in a perfect balance, the three components interact to produce a unique, economical and reliable composting system. In order to provide the essential basic requirements for the aerobic micro-

organisms, medium pressure aerators are connected to in-floor aeration ducts. The bigger the throughput of the plant, the more worthwhile the investment in aeration channels, allowing vehicular access and saving on staffing costs.

The aerators are controlled by means of oxygen, for which the necessary data, as well as temperature, is obtained directly from the main body of the heap using stainless steel probes. The data is

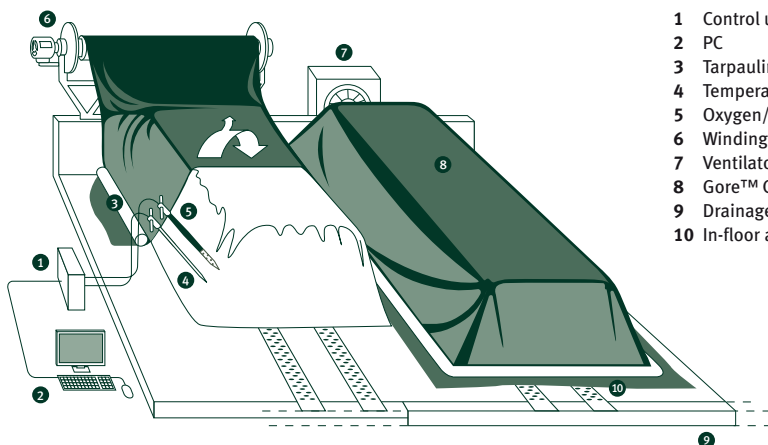
fed into the computer and stored there, documenting the course of the operation. Radio-remote monitoring of the controlled composting process is possible.

The material is first mechanically prepared and homogenised before being laid on the aeration channels using wheel loaders. The probes are then sunk into the material to be composted and the GORE™ Cover is immediately pulled over the body of the heap. Various handling aids are available to make this action easy. All that is required is to fill the fire hose at the edge of the cover with water to fix it in position and within a few minutes an in-vessel system is functioning.

Without the cost of any further technical installations like bio-

filters and without producing any conspicuous odours or microorganisms, nature now sets to work. It is inexpensive and it is in perfect tune ecologically. Four weeks later the heap can be opened up to find that its contents have thoroughly decomposed. All that has to be done is to remove the measuring probes, roll back the cover onto the winding gear by remote radio control, and place the material – e.g. by a front-end loader – on the maturation field, cover it, position the probes and continue biodegradation. After one further turning of the heap high quality compost can be produced in a total of just 8 weeks. With the right equipment and our expertise you can save yourself the bother of watering, turning – and trouble with the neighbours.

COMPOSTING WITH GORE™ COVER



- 1 Control unit
- 2 PC
- 3 Tarpaulin retainer
- 4 Temperature profile probe
- 5 Oxygen/Temperature probe
- 6 Winding gear
- 7 Ventilator station
- 8 Gore™ Cover
- 9 Drainage system
- 10 In-floor aeration channels

Intelligent technology allows rapid organic decomposition with integrated protection against weather, emissions and odour. A plant of this kind can be installed anywhere in the world within a short time.

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