



# GORE® COVER IS ALL ABOUT ORGANIC WASTE TREATMENT AND SAVING MONEY



- Best Available Technique (BAT)
- No building required – approved as in-vessel technology worldwide
- Very easy to handle and flexible in use
- More than 250 references in more than 20 countries
- Highest eco-efficient technology for organic waste treatment
- Best quality compost



# SYSTEM TECHNOLOGY

GORE® Cover stands for a comprehensive aerated system proven in multiple sites. It is a positively aerated system, typically controlling the degradation process by oxygen and temperature monitoring devices. This creates ideal composting conditions within the heap while efficiently trapping odors and other emissions, such as dust and VOCs. Additional to this the system results in a higher throughput on a smaller footprint of composting area – with little energy consumption and human involvement.

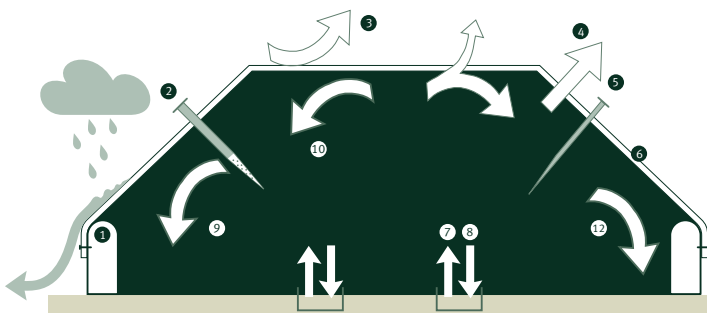
## NO BIOFILTER NECESSARY GORE® COVER IS YOUR RELIABLE EMISSION CONTROL

GORE® Cover creates ideal composting conditions. Compared to open windrow composting, the GORE® Cover system can achieve a reduction of up to 97 % in odor load – without additional exhaust air treatment installations, such as biofilters, RTOs and scrubbers. It is compliant with all the latest regulations, for example in California, UK and Germany.

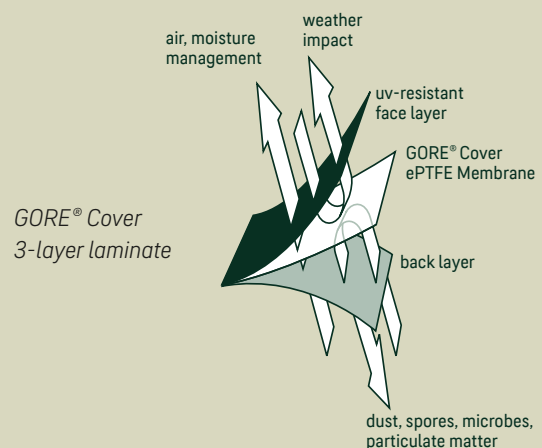
### Take advantage of our emission control database for most countries

With a 3-dimensional pore structure the ePTFE membrane is a highly effective barrier against spores, microbes and particulate matter. Comparative tests have proved that the system reduces the output of bioaerosols by > 99%, thus ensuring that plant workers and nearby residents are well protected. As required by law pathogenic microbes are safely destroyed while maintaining the required time temperature window through optimum process control.

With its low emissions (i.e. VOCs, ammonia, dust, odors), GORE® Cover technology offers a cost-efficient way of complying with all regulations subject to authorization.



- 1 Side wall
- 2 Oxygen sensor
- 3 Weather resistant impact
- 4 Air
- 5 Temperature sensor
- 6 GORE® Cover
- 7 Positive aeration
- 8 Leachate runoff
- 9 Heat, hygienisation
- 10 Odour / emission control
- 11 Moisture retention
- 12 Dust, germs, bacterias, bioaerosols



### **Treatment of Separated Organic Waste**

- Best quality compost from any organic input
- Fulfill all emission regulations
- Manage water content thanks to membrane technology

### **Treatment of Biosolids**

- Reduce water costs for your community and save disposal costs
- Compost sludge for a better environment
- Sustainable pathogen and salmonella control

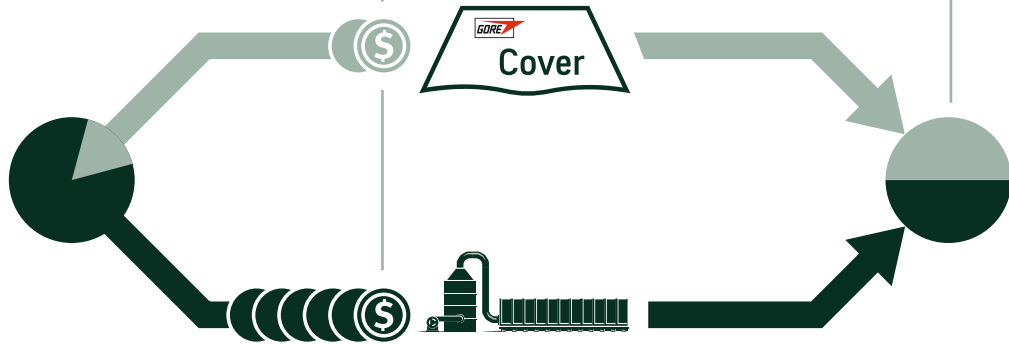
### **Treatment of Municipal Solid Waste (MSW)**

- Significant volume and moisture reduction
- Stabilization with reference to EU landfill regulations
- Biodrying for production of alternative Refuse Derived Fuel (RDF)



**MOST ECONOMIC SOLUTION**

**AT FULL PERFORMANCE**



**Controlling costs is critical for operating your business successfully.**

Stricter regulations as well as more competitive waste processing markets lead to diminishing returns per ton.

GORE® Cover is your best choice for organic waste treatment. Using specifically designed GORE® laminates with semi-permeable membranes to perform similarly in halls, tunnels, boxes or containers. Being regulatory compliant – at substantially lower costs.

**Whoever wants to be successful in the long run has to**

- increase plant throughput performance
- create a return on investment by marketing the best quality compost as end product.
- reduce operation costs to a minimum
- ensure that the plant adheres to all legal regulations by operating within threshold limits at all times

**LOW COSTS AT FULL PERFORMANCE**



# WHATEVER IS THROWN ITS WAY, GORE® COVER CAN HANDLE IT

## References

- Biowaste, foodwaste & greenwaste composting (SSO)
- Slaughterhouse waste composting
- Cow and pig manure composting
- Fishwaste composting
- Sewage sludge composting
- Biosolids & foodwaste digestate composting
- AD after-treatment
- Biodrying of MSW for RDF
- MSW stabilization before landfill
- Full MBT process operation





**Comparing cost of ownership GORE® Cover is the most economical and optimal performing solution for the treatment of organic waste – providing odor and emission control according to the strictest regulatory requirements!**  
**GORE® Cover does not need buildings for composting, stabilization or biodrying of organic waste.**

## DESIGN OPTIONS

With the waterproof and breathable GORE® membrane as its centerpiece, GORE® Cover's composting laminate is much more than just an enclosure. A unique microporous membrane based on ePTFE (expanded Polytetrafluoroethylene) offers semi-permeable features and enhances the rotting process. Being waterproof and windproof, it protects the composting material from the elements and consequently from unwelcome decaying processes. Being permeable to vapor it manages moisture content and retains emissions at the same time.

## INDUSTRY EXPERTS PROVIDING GORE® COVER GLOBALLY

Our experienced partners are offering this system technology around the world. Each individual solution will be designed with reference to specific waste treatment goals and local regulations. Web-based controls and a service platform for spare parts are part of the package. Operator training and regular on-site check-ups are self-evident. This special partnership completes GORE® Cover's role in producing high-quality compost. Well done.



## ONE SOLUTION FOR VARIOUS APPLICATIONS

- Cover a silo with sidewalls, or just a windrow on the ground
- Implant the GORE® Cover laminate into a box or steel structure
- Use the GORE® Cover technology for new plants or any retrofit
- Excellent performance in extreme cold environments - as well as in deserts





## WHAT YOU GET FROM GORE® COVER

- High quality compost for successful marketing. You will be sold out!
- Reliable and sustainable hygienization for all critical matter
- Highest VOC control with reference to Californian regulations
- Reliable emission control throughout the lifetime of the system
- Happy neighbors due to excellent odor control

### TALK TO US, IF YOU WANT:

- High-quality products resulting from an excellent process control
- Lowest cost of ownership and operation, low investments
- Highest Eco Efficiency for your operation
- Plant construction to follow European BAT conclusions
- Increased capacity for your existing footprint
- Long-term odor reduction
- Moisture management in reference to your needs



\* BAT according to the Best Available Technique Reference Document (BREF) for the waste treatment industry following the Industrial Emissions Directive 2010/75/EU.



**WELL COVERED. WELL DONE.**



- Comparing cost of ownership GORE® Cover is the most economical solution for the treatment of solid waste (Composting, Stabilization before landfill and Biodrying)
- GORE® Cover eliminates the need for buildings for the composting of organic waste
- GORE® Cover technology is accepted as in-vessel technology world-wide
- GORE® Cover offers solutions for green waste, food waste, other source separated organics, biosolids and MSW
- Static composting with positive aeration achieves highest emission retention without end-of-pipe means

#### **More than a cover – it's a complete system**

- Support with site layout, commissioning, training and marketing of compost
- Backup for the efficiency and profitability of the site throughout its entire life-cycle via on-site check-ups
- Availability of a whole range of complementary customer services
- Web-based service platform for coordination of system components and spare parts (24 hours / 7 days a week)
- Training and support for owner and operator
- Demonstration packages and trial set-ups available on request

#### **Experienced Partners for your Waste Treatment Solution**

GORE® Cover is sold by partners and system suppliers all over the world  
Please contact us to find your best partner for your local need



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