AirCover Transpirant fabric Data Sheet

"Air Clean offers proven, proprietary clean air and solid waste technologies, which provide best-in-class process performance with the lowest utility and life cycle costs"

SOLID WASTE AND SLUDGE BIO-DRYING/COMPOSTING SOLUTIONS BY TRANSPIRANT FABRIC – DESCRIPTION

AirCover transpirant fabric consists of hydrophobic and oleophobic reinforced PTFE overlapping membranes for bio-drying process and organic waste composting. Transpirant fabric can be installed as a removable cover that guarantees the oxidation of biomass thanks to water evaporation from the waste and bio-drying of waste for the production or RDF. In addition, this technology can be used as biocell in composting plants or a biofilter cover to permit easy maintenance procedures of filtering media replacement.

TYPICAL APPLICATION	BENEFITS
WASTE AEROBIC BIO-STABILIZATION	HIGH CHEMICAL RESISTANCE
BIO-DRYING OF WASTE FOR THE PRODUCTION OF RDF	EASY OXIDATION PROCESS IN COMPOSTING
WASTE BIODEGRADABLE FRACTION COMPOSTING	SUITABLE AS ODOUR BARRIER
OUTDOOR COMPOST DEPOTS COVERS	WATERPROOF FROM EXTERNAL WEATHER CONDITIONS
LANDFILL AND BIOFILTER COVERS	BREATHABLE FOR STORAGED MASS

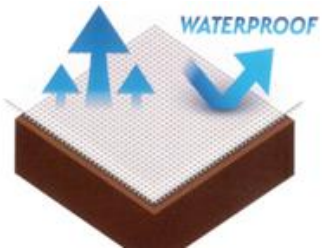


Figure 1 – AirCover Transpirant fabric working process

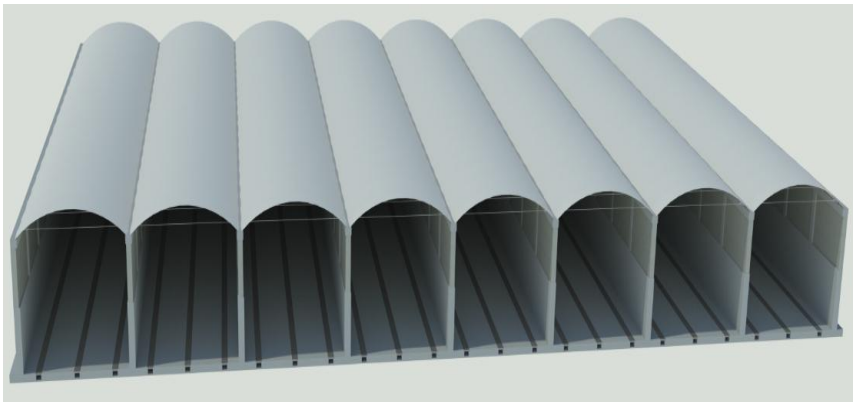


Figure 2 –No. 8 composting concrete biocells (length 50 meters x (H) 9,05) covered by transpirant fabrics



Picture 3 – Covered biofilter (Q=57.200 m³/h) with fabrics

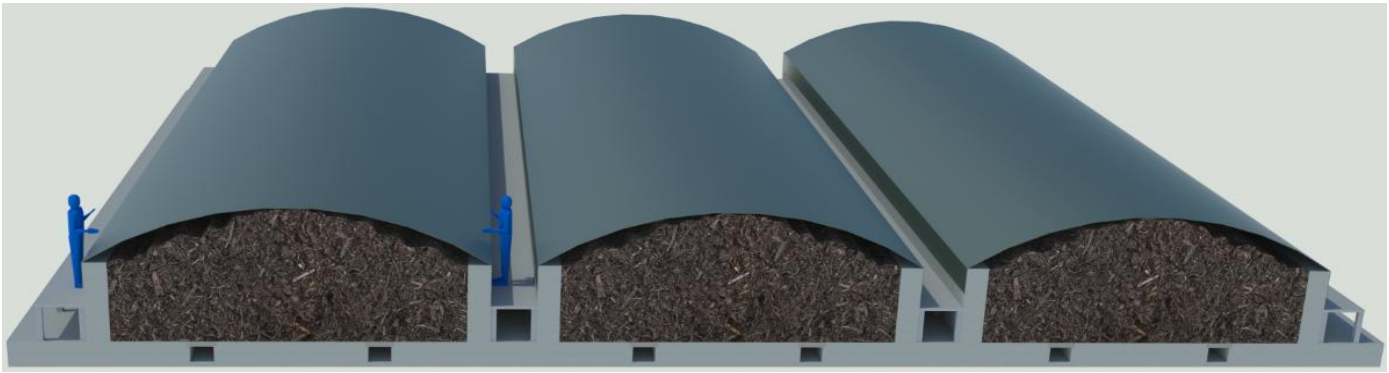


Figure 4 – 3 No. composting concrete biocells (length 30 meters x (H) 1,50) covered by transpirant fabrics

Environmental rehabilitation Plant
Air Treatment
Biogas purification

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