

BioAer® Aeration Floor

Introduction

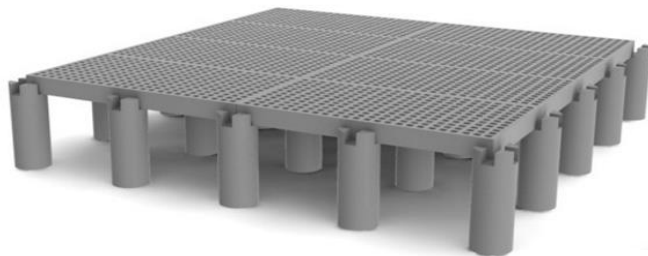
The aeration floor is one of the most important components of biofilter systems and composting plants. It insures for the even distribution of air across a large surface covered by organic substrate. The efficiency of biofilters and composting facilities depends on the evenness of air distribution across aeration floor.

BioAer® aeration Floor System – Green Components for Green Technology

This version of the BioAer® floor system is brand new to Canada and the US. It provides an energy efficient platform for even distribution of forced air in biofilters and composting systems (e.g. static aerated pile). BioAer® has a very high load bearing capacity - in excess of 3 t/m (distributed load method). It is corrosion-free, heat resistant within the requirements of biofilter and composting operations, very durable with very low life-cycle cost. It is made of 100% recycled plastic.

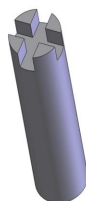


Specifications



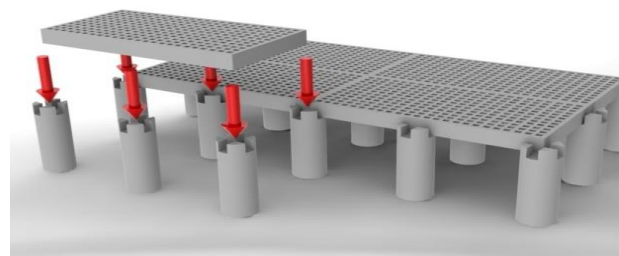
Support Pillars:

Diameter - 15 cm
Height - 25.5 cm (functional)
Total height - 30 cm



Floor Plate:

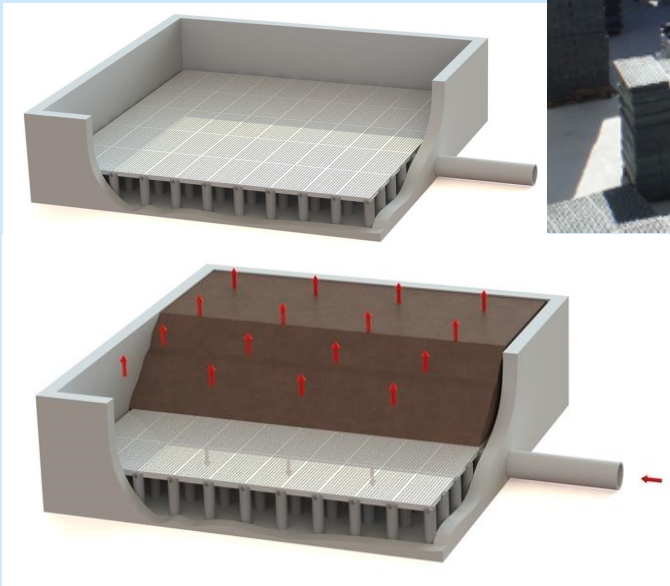
Width - 50 cm, length - 100 cm, thickness - 8 cm,
weight - 18,4 kg, colour - grey.



BioAer®

Applications

- Biofilters;
- Composting facilities;
- Catwalk systems - easier handling, lower weight, corrosion-free;
- Floors in data centres - where air must be evenly distributed for efficient cooling of server banks.



Durability

- This synthetic material can withstand extreme weather conditions and is virtually indestructible, while allowing for high loading capacity.
- Aeration plates can be easily moved and removed easily, making ideal for temporary projects.

Advantages

- Cost-effective, requires low transportation costs because of its low weight;
- Requires no heavy equipment for installation;
- Light weight, high weight-to-strength ratio;
- Quickly and easily installed/removed;
- High strength support pillars allow interlocking of plates;
- Large areas can be covered quickly;
- Surpasses the functionality of concrete flooring used in biofilters.



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