



# RAISED FLOORING SYSTEM

IDEAL FOR USE IN BIOFILTER APPLICATIONS



## FLOORING SYSTEM SPECIFICATIONS

Length	100 cm – 39.37"
Width	50 cm – 19.69"
Height	8 cm – 3.15"
Weight	15.7 kg – 34.61 lbs
Material	100% recycled plastic
Colour	Grey
Open surface area	32% approx.

## SUPPORTS SPECIFICATIONS

Length	20–100 cm – 7.87–39.37"
Weight	2–8 kg – 4.41–17.64 lbs
Diameter	15 cm – 5.91"
Material	100% recycled plastic
Colour	Grey or brown

## KEY FACTS

- » Allows good airflow
- » Excellent performance at high temperatures and humidity
- » Simple to handle and install
- » Inherently stable due to support mechanism
- » Adaptable to every filter shape onsite
- » Durable and nonporous due to recycled plastics
- » Accessible by vehicles (depending on installation) of 2T to 3T gross weight
- » 100% recyclable product

**Stable**  
Tenon fit provides stability.

**Variable lengths**  
Variable leg length provides great versatility.

**High humidity**  
Does not absorb moisture so cannot rot.

**Environmentally friendly**  
Manufactured from 100% recycled plastic.

**Low pH**  
Resistant to acids so works in low pH environment.

**Load capacity**  
Accessible by vehicles (depending on design) of 2 to 3 metric tonnes gross weight.

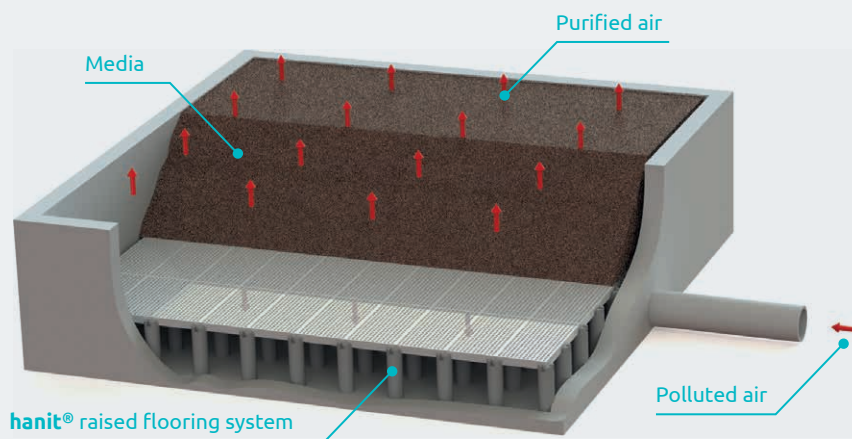
**Application options**  
Odour control, gas plants and various industrial and utility facilities.

**TEST RESULTS**

The results of applying a consistent load to the flooring and supports at a constant temperature of 40°C:

Loading per square metre of flooring and supports	Timing for test continuous	Visible effects on flooring	Comments
20 tonnes/m <sup>2</sup> – 4096 lbs/ft <sup>2</sup>	8 hours	Nil	Very stable
40 tonnes/m <sup>2</sup> – 8192 lbs/ft <sup>2</sup>	8 hours	Nil	Very Stable
60 tonnes/m <sup>2</sup> – 12,289 lbs/ft <sup>2</sup>	48 hours	Slight crushing effect on one corner	Very stable structure – see picture below

**APPLICATION EXAMPLE**



The stability of the structure after 48 hours at a load of 60 tonnes/m<sup>2</sup> (12,289 lbs/ft<sup>2</sup>).



**MATERIAL PROPERTIES**

- Electrically non-conductive
- Fire Class B2 (DIN4102)
- Pressure resistant
- Density approx. 0.93g/cm<sup>3</sup>
- Waterproof (hydrophobic)
- Resistant to oils, alkalis and acids
- Resistant to micro-organisms

**COMMENTS**

*The HAHN design is an innovative design that is structurally superior to the previous designs tested. In comparable tests it is estimated that the load is at least a factor of 10 stronger in static loading conditions at 40°C. This gives confidence that the design will withstand loads for long periods.*

Material Inspection and Testing Centre  
Neuwied – Report 72/0011/11

