



RAISED FLOORING SYSTEM

IDEAL FOR USE IN BIOFILTER APPLICATIONS

FLOORING SYSTEM SPECIFICATIONS

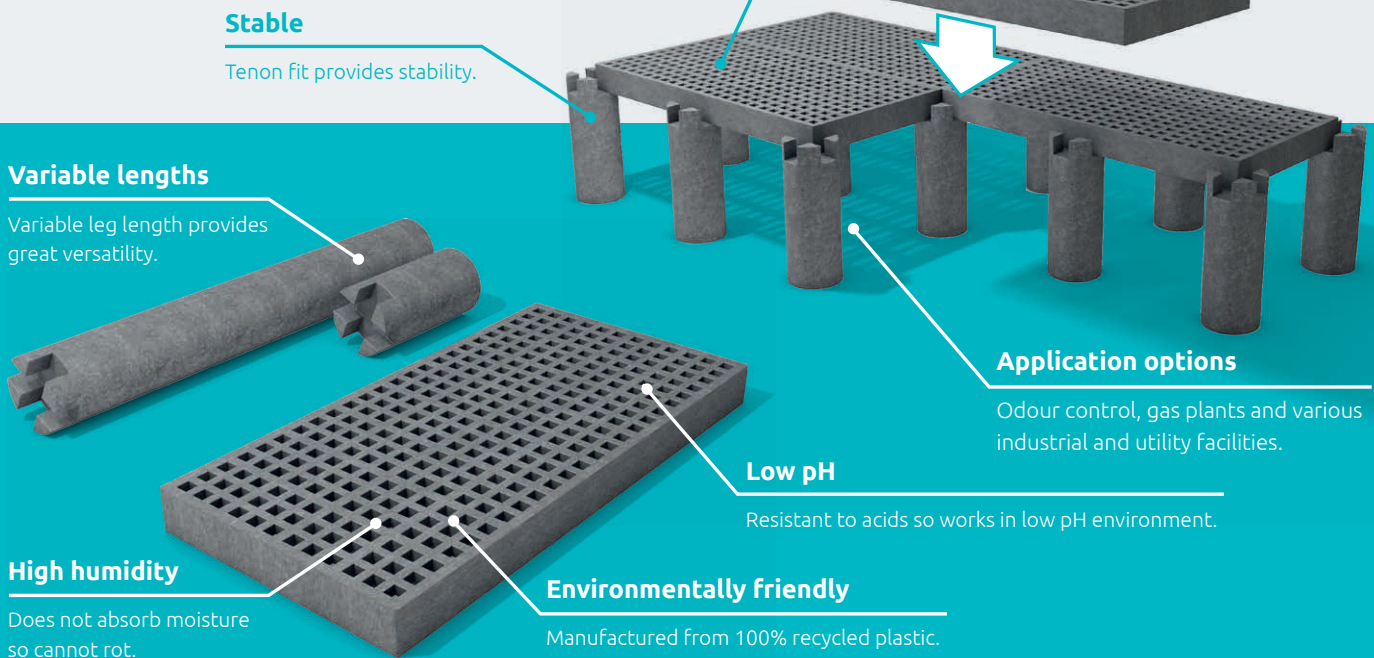
Length	100 cm – 39.37"
Width	50 cm – 19.69"
Height	8 cm – 3.15"
Weight	15.7 kg – 34.61 lbs
Material	100% recycled plastic
Colour	Grey
Open surface area	32% approx.

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

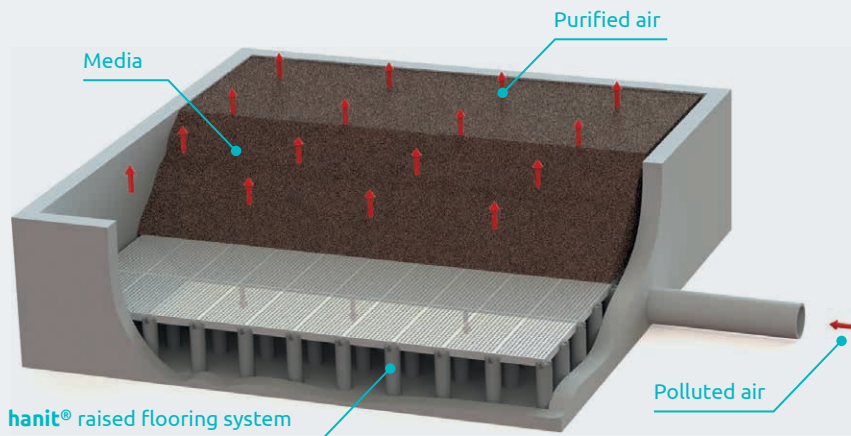


TEST RESULTS

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 ² – 4096 lbs/ft ²	8 hours	Nil	Very stable
40 tonnes/m ² – 8192 lbs/ft ²	8 hours	Nil	Very Stable
60 tonnes/m ² – 12,289 lbs/ft ²	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/m² (12,289 lbs/ft²).



MATERIAL PROPERTIES

- Electrically non-conductive
- Fire Class B2 (DIN4102)
- Pressure resistant
- Density approx. 0.93g/cm³
- 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

