

BUITINK MOBILE LIQUID-TIGHT FLOOR

we solve it with a flexible solution





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1. General

1.1 Features

The Buitink mobile liquid-tight floors are **KIWA-certified**, mobile and foldable.

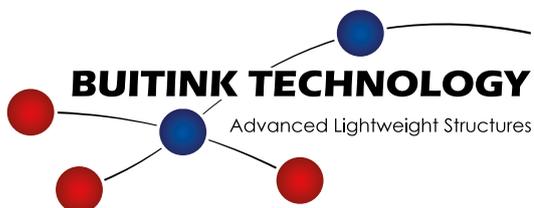
A mobile liquid-tight floor from Buitink Technology prevents soil contamination. Our floors catch all liquids, such as waste water, leakages and washing water.

A practical, affordable and easy solution!

We can deliver the floor in any desired size.

The advantages of a mobile floor:

- Mobile, flexible and quick to install
- Durable and chemical-resistant
- Can be used anywhere
- Can be delivered fully customised
- No need for permanent and expensive flooring



BUITINK MOBILE LIQUID-TIGHT FLOOR

Website: www.buitink-technology.com



1.2 Application options

Our mobile liquid-tight floors are used to prevent soil contamination during work and activities, such as:

- cleaning wheeled vehicles
- cleaning building façades
- cleaning production means
- transshipping liquids
- transshipping bulk goods
- refuelling vehicles
- in case of leaking liquids
- when storing liquids

Our mobile liquid-tight floors are used to prevent soil contamination in the following situations, for example:

- during the renovation of a permanent liquid-tight floor
- during the maintenance of installations
- when working on location
- in case of calamities
- in the case of mobile work
- in the case of insufficient budget for a permanent set-up
- as a temporary solution
- as a custom solution



1.3 Why a mobile liquid-tight floor?

The government has established rules to prevent waste water from seeping into groundwater or surface water. With our mobile liquid-tight floors, we are offering an interesting alternative to costly permanent set-ups to collect waste water and prevent soil contamination.

1.4 Floor properties

The side walls/edges of our foldable system will automatically spring up. Therefore, you can use our mobile liquid-tight floors in combination with any kind of vehicle. Our floors are made of flexible, foldable materials, so that they can always be stored or transported to another location easily and compactly.



kiwa certified

2. KIWA certificate

2.1 KIWA

Buitink Technology is KIWA-certified with regard to the production and delivery of mobile liquid-tight floors. Consequently, you - the customer - can be confident that any floors delivered by us are fit for use and guaranteed liquid-tight.

A KIWA-certified floor from Buitink Technology allows you to apply for a license or exemption from your municipality to use this floor to collect liquids.

This means that floors delivered by Buitink Technology, as specified in the covenant and marked with the KIWA-certification label, comply with the KIWA Covenant Manual K1 5013 January 2016 upon delivery.

The number of our covenant: K92737-01

Click [here](#) to download a copy of our KIWA Certificate

For more information, please consult the KIWA website: www.kiwa.nl



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✓ ISO 4592
CERTIFIED

✓ ASTM D 5641 – 94

✓ EN 12316-2

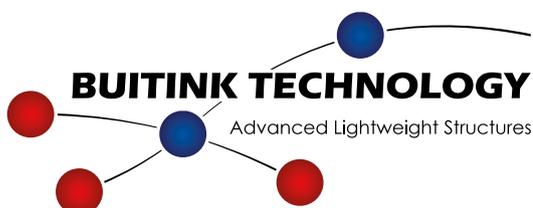
✓ EN 6133

2.2 Quality and quality assurance

The Buitink mobile liquid-tight floor is KIWA-certified. A KIWA certificate stands for **quality and suitability for the intended use**.

To assure our customers that we are delivering high quality, we use a quality assurance system which includes the following components:

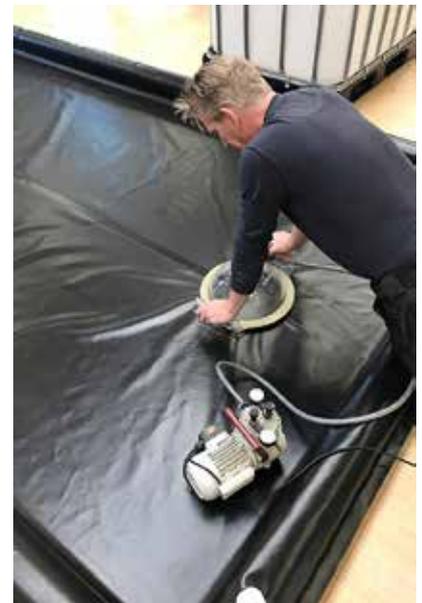
- The materials for the liquid-tight floors are purchased on specification and checked upon arrival.
- The dimensions agreed with you, are verified per product according to the drawing in accordance with **ISO 4592**
- Every mobile floor we produce for you, has a unique product number, which is linked to information about the materials as well as the employee(s) who created the floor.
- The liquid-tightness of the materials, as well as of every floor we produce, is checked using a vacuum gauge in accordance with **ASTM D 5641 - 94**. (see following page)
- KIWA performs periodic audits (at least once a year).
- We always perform a visual inspection prior to the delivery.
- The strength of the welds is regularly tested by carrying out sample checks in accordance with **EN 12316-2** and **EN 6133**.





2.2.1 Test with vacuum gauge

The liquid-tightness of the materials, as well as of every floor we produce, is checked using a vacuum gauge in accordance with ASTM D 5641 - 94.



[View a video of a test on our website >](#)



2.3 Use

It is, of course, important that the Buitink mobile floor is used in the proper manner.

2.3.1 First use

When using the floor, the following conditions must be met:

- the substrate must be free of sharp and PVC or TPU-corroding materials and substances;
- the floor must be installed on a flat substrate in such a way that it can only be drained via the slope into the appropriate drainage canal;
- the floor must be installed without folds or creases;
- the floor must not be subjected to sharp materials;
- the wheel pressure of any vehicle placed on it must not exceed the permissible load for road traffic on motorways;
- driving up and down the floor must be done with as few steering movements as possible; if steering movements are necessary, they must be done while the wheels are moving;
- the use of harsh chemicals/cleaning products in undiluted condition or other than used for road traffic vehicles must be avoided;
- before first use, the floor must be checked for damage, such as scratches, holes, permanent deformation due to sharp creases and/or wear as a result of use or circumstances, as a result of which the liquid-tightness no longer suffices.



2.3.2 During short-term storage and transport

During short-term storage and transport of the floor the following conditions must be met:

- if at temperatures below zero degrees Celsius: in a dry state;
- folds in the product may only be subjected to the pressure (mass) of the product itself.



2.3.3 During long-term storage

During long-term storage the following conditions must be met:

- rinse clean;
- dry;
- out of direct sunlight;
- folds in the product may only be subjected to the pressure (mass) of the product itself.



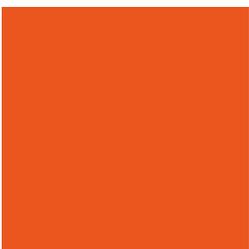
3. Materials & colours

3.1 Materials

Buitink mobile liquid-tight floors can be made of many different materials, depending on the use, application and chemical substances with which the floor comes into contact.

3.2 Colours

The floors are offered in several standard colours.



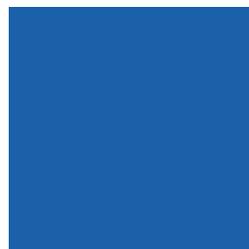
Orange
code 3056



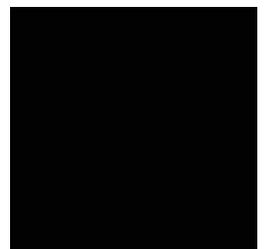
Light grey
code 7001



Dark grey
code 7244



Blue



Black



4. Sustainability

All residual materials that are the result of producing a liquid-tight floor are reused. A large part of the residual materials is made available free of charge to (young) designers to create bags.

To designer duo [HOMULDER](#), for example.



Any remaining residual materials are collected by us, pressed into bales, and sent to [Texyloop](#).

Also, at the end of the lifespan of a floor, you can return it to us to be sent to Texyloop to have the material reused.

Would you like to read more about the ways in which we promote sustainability?
Please visit our website and check [sustainability](#).



5. Versions

5.1 Standard versions

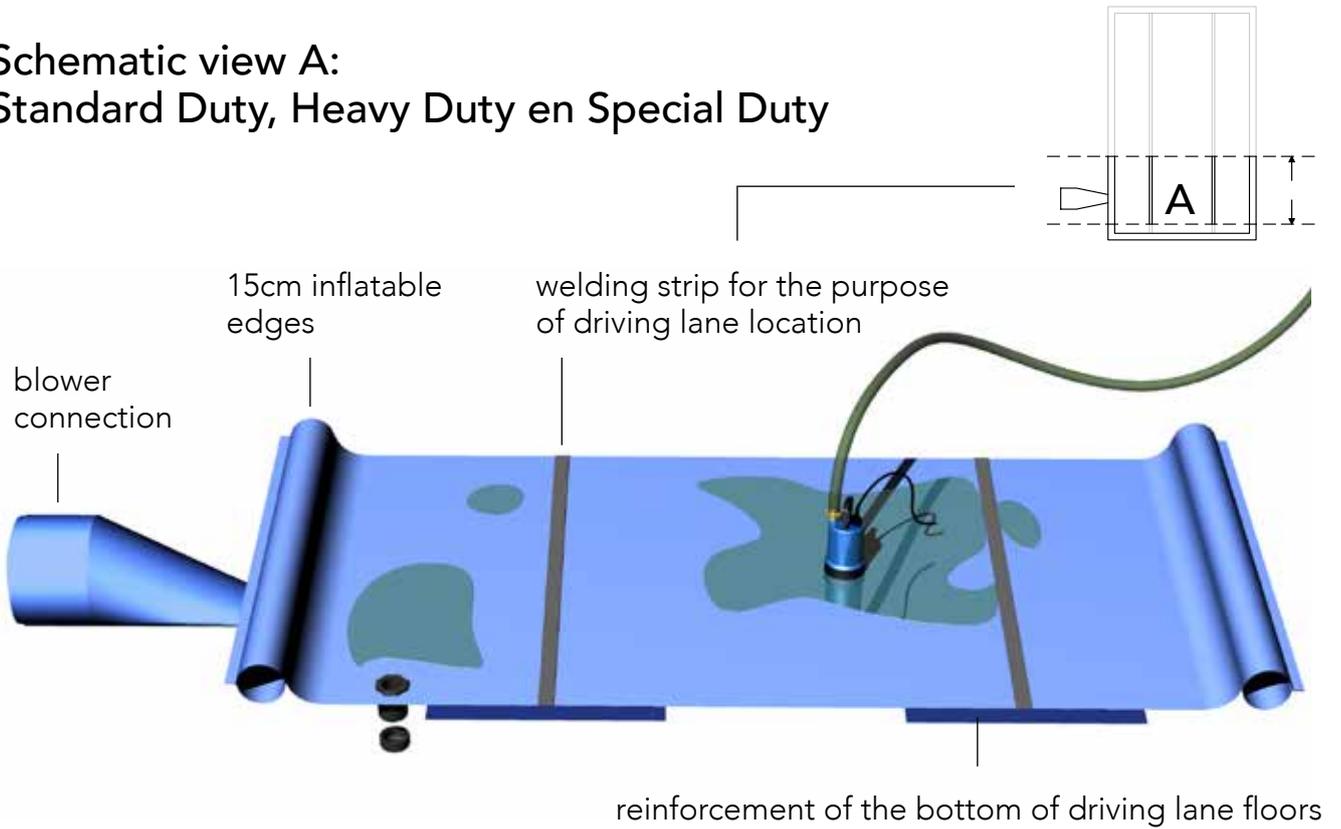
There are several standard versions of the Buitink mobile liquid-tight floor available. They are most often used and appropriate to prevent soil contamination in most situations.

In addition to being able to select the floor material, you may select foam-filled or inflatable edges. The standard versions can be found in the table below.

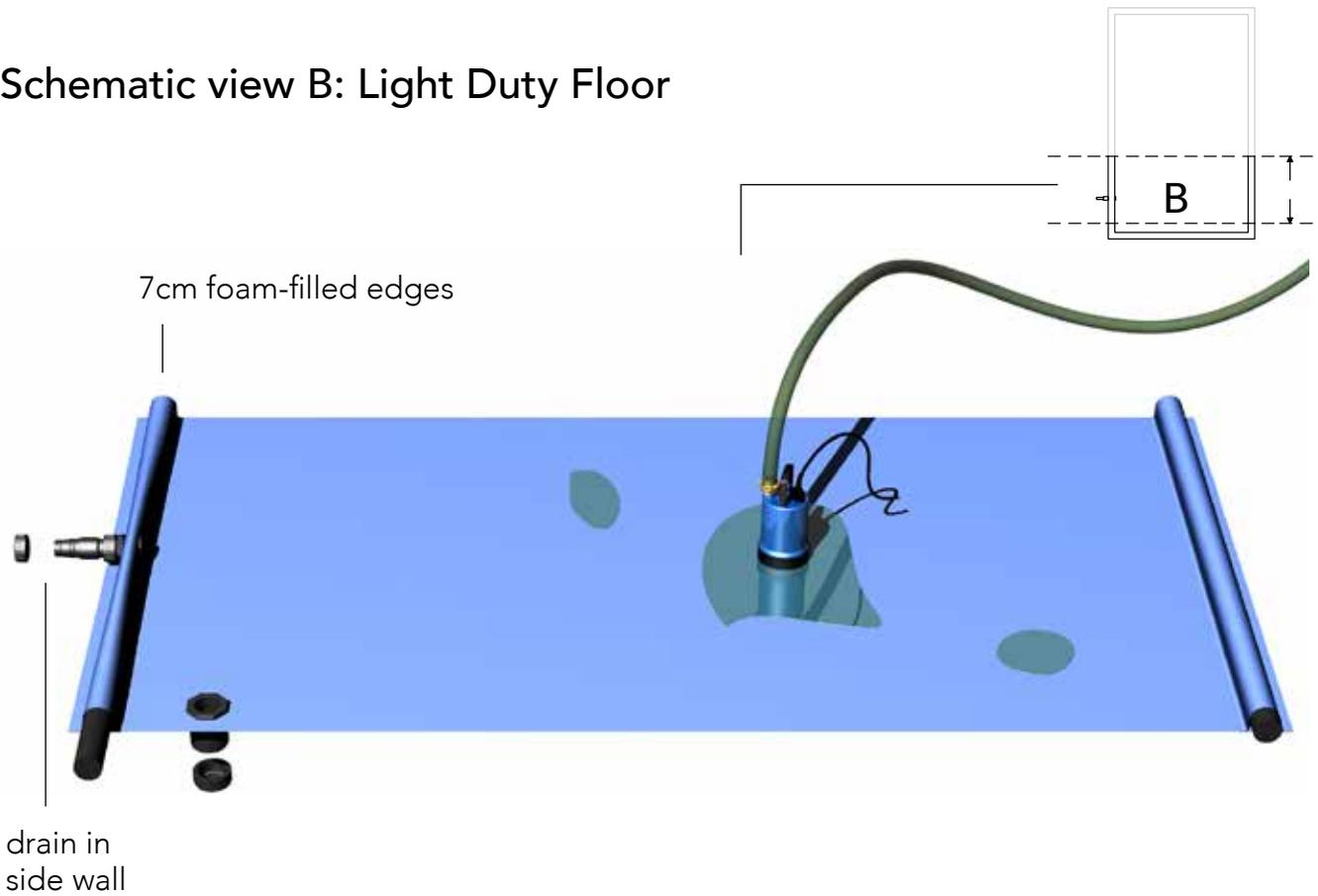
Article nr	Name	Description	Material	Edge height
F100.001	Standard Duty Floor	Floor with inflatable edges all around and 230 V blower	Basic PVC	15 cm
F100.002	Heavy Duty Floor	Floor with inflatable edges all around and 230 V blower	Heavy Duty PVC	15 cm
F100.003	Special Duty Floor	Floor with inflatable edges all around and 230 V blower	Special TPU	15 cm
F100.004	Light Duty Floor	Floor with foam-filled edges all around	Basic PVC	7 cm

Table 1. standard versions

Schematic view A: Standard Duty, Heavy Duty en Special Duty



Schematic view B: Light Duty Floor



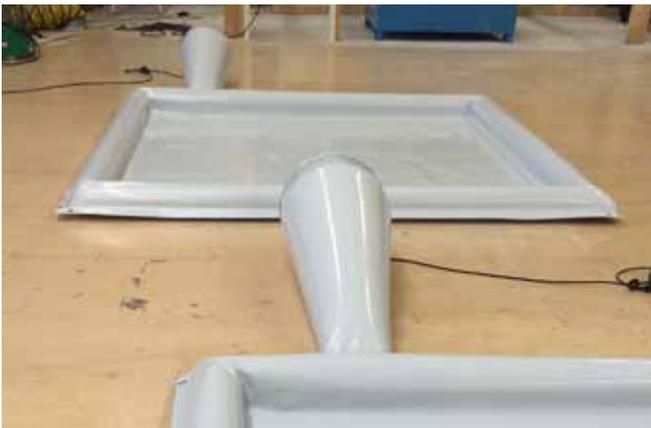


5.1.1 Inflatable edges

The most commonly used floor is the one with inflatable edges in a Standard Duty or Heavy Duty version.

This floor is fitted with a 230V blower that fills the edges with air and ensures that they remain inflated. After use, it only needs to be unplugged before the floor can be rolled up and stored!

A very simple and robust system.



Standard Duty Floors with inflatable edges



230V blower with funnel connection



5.1.2 Foam-filled edges

If no power supply is present or if a floor is permanently installed in one location, a foam-filled edge may be selected. The disadvantage of this floor is that it is not as easy to fold and store and cannot be folded into as small a size. Also, the foam - or the impression it can withstand - wears out after a while, and the floor will no longer spring up completely.



Light Duty Floor with 7cm foam-filled edges



View of corner foam-filled edge

5.2. Properties

5.2.1 Standard Duty Floor

The Standard Duty Floor is carried out in Basic PVC and is the most sold variant.

This variant is optimally suited for use as a mobile washing station, since the Basic PVC is strong and robust, but still relatively light in weight. We have many customers with mobile truck washing businesses or transport companies who clean their fleet on location using a Basic PVC version Buitink mobile floor.

	Basic PVC		PVC coated polyester fabric
1	Standard colour(s)		Light grey (code 7001), orange (code 3056), dark grey (code 7244)
2	Base Fabric (W/F)		Trade mark Polyester
3	Yarn (W/ F)		1100/ 1100 dtex
4	Weave		P 2/2
5	Total weight	DIN EN ISO 2286-2 BS 3424 method 5B	Appr. 900 g/ sqm
6	Coating material		PVC
7	Tensile strength (W/F)	DIN 53 354 BS 3424 method 6A	4000/ 3500 N/ 5 cm
8	Tear resistance (W/F)	DIN 53 356 BS 3424 method 7A	600/ 600 N
9	Coating adhesion	DIN 53 357 BS 3424 method 9B	At least 90 N/ 5 cm
10	Temperature resistance	DIN EN 1876-2 BS 3424 method 10	-30 / + 70 degrees Celcius
11	Lichtechtheid	DIN EN ISO 877 BS 3424 method 15	7-8
12	Liquid tightness	BS EN 20811	>400 cms/ H2O

W/F = Warp/ weFt

Table 2. Standard Duty Floor



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5.2.2 Heavy Duty Floor

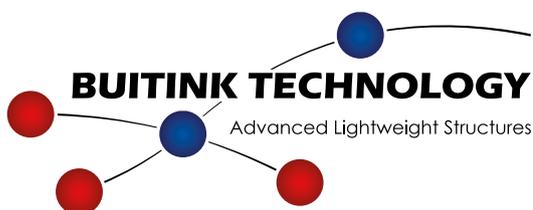
If the floor is used mainly in one location, or there is always a forklift truck available, you could select the Heavy Duty Floor, carried out in Heavy Duty PVC.

A floor like this can also be stored very compactly, but the Heavy Duty PVC has exceptionally high tensile strength, tear resistance and puncture resistance. This material is suitable for use as a floor on which heavier equipment is cleaned, such as agricultural vehicles.

	Heavy Duty PVC		PVC coated polyester fabric
1	Standard colour(s)		Blue
2	Base Fabric (W/F)	DIN ISO 2076	Trade mark Polyester
3	Yarn (W/ F)	DIN EN ISO 2060	1100/ 1200 dtex
4	Weave	DIN ISO 9354	P 4/2
5	Total weight	DIN EN ISO 2286-2	Appr. 1.500 g/ sqm
6	Coating material		PVC
7	Tensile strength (W/F)	DIN EN ISO 1421	7400/ 6400 N/ 5 cm
8	Tear resistance (W/F)	DIN 53363	1200/ 1100 N
9	Coating adhesion	IVK 3.13	At least 100 N/ 5 cm
10	Flex-resistance	DIN 53359 A	At least 100.000 bends
11	Cold resistance	DIN EN 1876-1	-25 Celcius
12	Puncture resistance	DIN EN 14574	535,7 N
13	Ageing resistance	DIN 53508	Tensile strength W/F > 75% of at A6. defined tensile strength
14	Ozon resistance 50 pphm, 7 Days, 30 Degr Celcius, 55% rel. moisture	DIN ISO 1431-1	No visible cracks
15	Abrasion resistance	DIN EN ISO 5470; CS10, 500 gram	From 2000 rotations the brilliance of the coating starts to diminish
16	Weldstrength	DIN EN ISO 1421 (23 degrees Celcius)	Tensile strength W/F > 75% of tensile strength
17	Liquid tightness	BS EN 20811	>400 cms/ H2O

W/F = Warp/ weFt

Table 3. Heavy Duty Floor



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5.2.3 Special Duty Floor

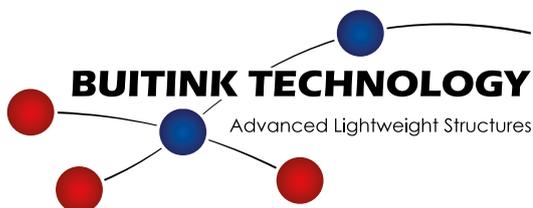
The Special Duty Floor is mainly chosen in case of regular and lasting contact with higher concentrations (>5-10%) of harsher chemical substances, such as gasoline and diesel.

The Special TPU of which a Special Duty Floor is made, is very durable: when the floor is often moved, or moved across hard, rigid surfaces, the Special Duty Floor is your best choice!

	Special TPU		TPU coated polyester fabric
1	Standard colour(s)		Black
2	Base Fabric (W/F)		Trade mark Polyester
3	Total weight	DIN EN ISO 2286-2	Appr. 950 g/ sqm
4	Coating material		TPU
5	Tensile strength (W/F)	DIN EN ISO 1421-1	5200/ 4400 N/ 5 cm
6	Tear resistance (W/F)	DIN 53363	600/ 550 N
7	Coating adhesion	IVK 3.13	At least 200 N/ 5 cm
8	Cold resistance	DIN EN 1876-2	-30 degrees Celcius
9	Lichtechtheid	DIN EN ISO 877 BS 3424 method 15	7-8
10	Flex-resistance	DIN 53359 A	At least 100.000 bends
11	Liquid tightness	BS EN 20811	>400 cms/ H2O

W/F = Warp/ weFt

Table 4. Special Duty Floor



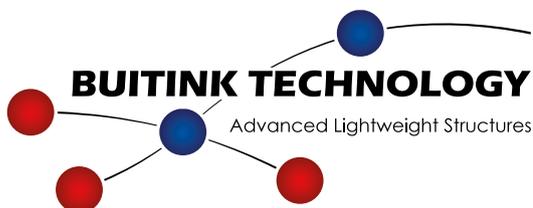
5.2.4 Light Duty Floor

The Light Duty Floor is also carried out in Basic PVC, but it has foam-filled edges.

	Basic PVC		PVC coated polyester fabric
1	Standard colour(s)		Light grey (code 7001), orange (code 3056), dark grey (code 7244)
2	Base Fabric (W/F)		Trade mark Polyester
3	Yarn (W/ F)		1100/ 1100 dtex
4	Weave		P 2/2
5	Total weight	DIN EN ISO 2286-2 BS 3424 method 5B	Appr. 900 g/ sqm
6	Coating material		PVC
7	Tensile strength (W/F)	DIN 53 354 BS 3424 method 6A	4000/ 3500 N/ 5 cm
8	Tear resistance (W/F)	DIN 53 356 BS 3424 method 7A	600/ 600 N
9	Coating adhesion	DIN 53 357 BS 3424 method 9B	At least 90 N/ 5 cm
10	Temperature resistance	DIN EN 1876-2 BS 3424 method 10	-30 / + 70 degrees Celcius
11	Lichtechtheid	DIN EN ISO 877 BS 3424 method 15	7-8
12	Liquid tightness	BS EN 20811	>400 cms/ H2O

W/F = Warp/ weFt

Table 5. Light Duty Floor



6. Accessories

We deliver various accessories and connections for our mobile flooring systems. Below you will find an overview of the possibilities and the corresponding article numbers.

Article nr	Description	Order unit	To order in combination with
	Drains in floor		
F100.010	Plastic drain with plug in soil (63 mm)	per piece	F100.001, F100.002 F100.003
F100.011	Drain in side wall	per piece	F100.004, F100.020
	Drain waste water		
F100.012	Suction pump 220V with suction plate and quick couplings for hose	per piece	F100.001, F100.002 F100.003, F100.004
F100.013	Water hose	per meter	F100.012
F100.014	Quick couplings for water hose (2 needed per hose)	per piece	F100.013
F100.015	Water hose	per meter	F100.004, F100.020
F100.016	Hose clamp	per piece	F100.015, F100.020
	Storage of waste water		
F100.017	IBC container 1000 litre, with quick coupling + drain valve at the bottom	per piece	F100.012, F100.013 F100.014
	Other		
F100.018	Carrying/storage bag	per piece	F100.001, F100.002, F100.003, F100.004
F100.019	Spare blower 230 V	per piece	F100.001, F100.002 F100.003
F100.020	Foam-filled edges instead of air edges and blower	per floor	F100.001, F100.002, F100.003

Table 6. accessories



F100.010 Plastic drain with plug in soil (63 mm)

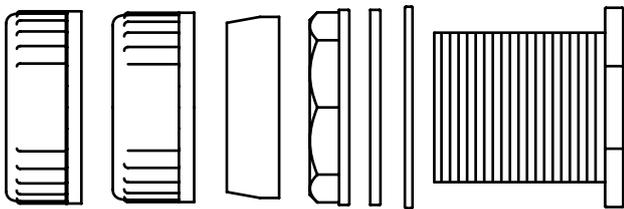
This type of drain can be installed in our mobile floors with inflatable edges.

Therefore, it can be ordered in combination with article numbers:

F100.001

F100.002

F100.003



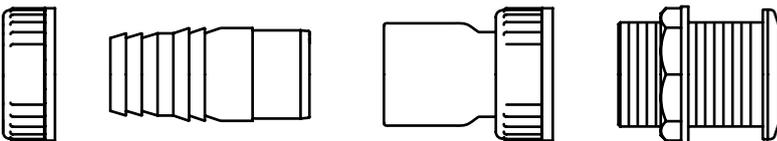
Drain with clamp nut, 63mm



F100.010

F100.011 Drain in side wall

This type of drain can be installed in our mobile floors with foam-filled edges, with a height of 7 cm (article F100.004), or in combination with F100.020.



Reservoir coupling in combination with hose grommet 50x53x50

Screw cover





F100.012 Suction pump 220V with suction plate and quick couplings for hose

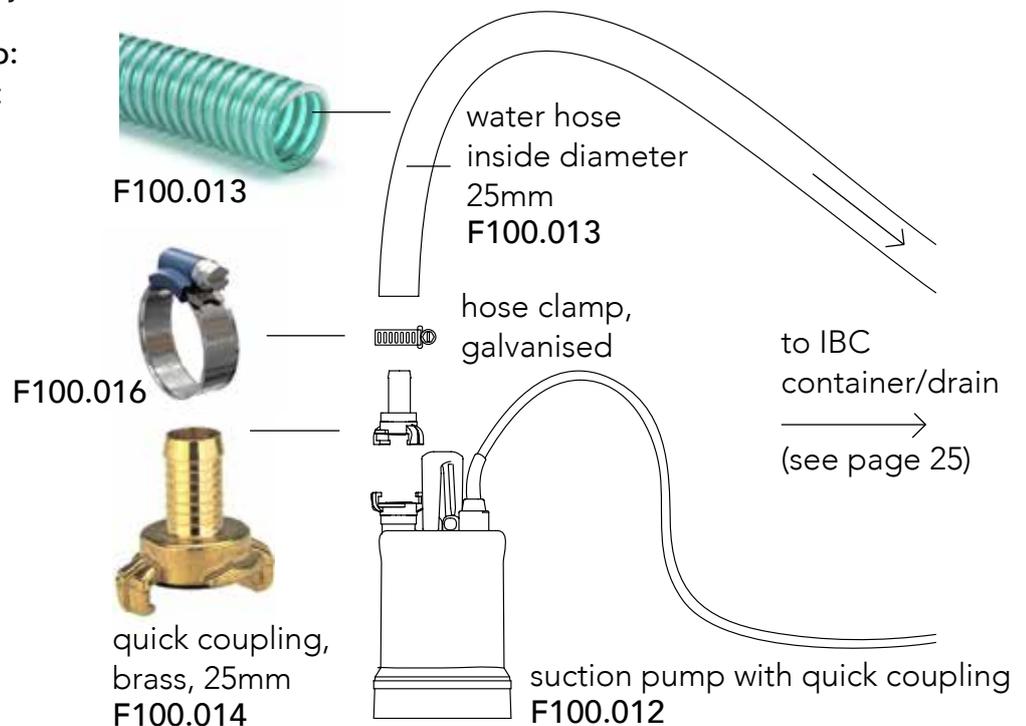
F100.013 Water hose

F100.014 Quick couplings for water hose (2 needed per hose)

This is a system to pump (dirty) water away from Buitink mobile floor into an IBC container, the sewer (where permitted) or an oil and grease trap, for example. This pump can process water down to a water level of only a few mm.

Specifications suction pump:

- Maximum water column: 7 metres
- AC Voltage 220-240 V
- Ampere 1.5 A
- 0.15 Kw
- Max. Flow. 100L/min
- Water temp 0-40 C
- 1 Phase
- IP68

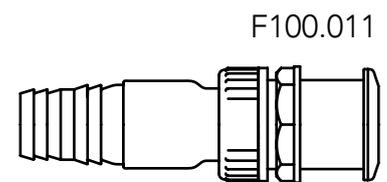
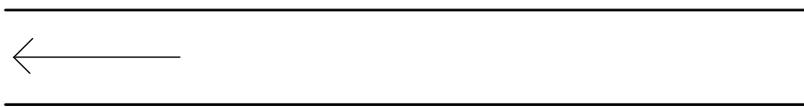




F100.015 Water hose

F100.016 Hose clamp, galvanised

This combination can be supplied in combination with article F100.011 (drain in side wall).



water hose inside
diameter 50mm
F100.015

hose clamp, galvanised
F100.016





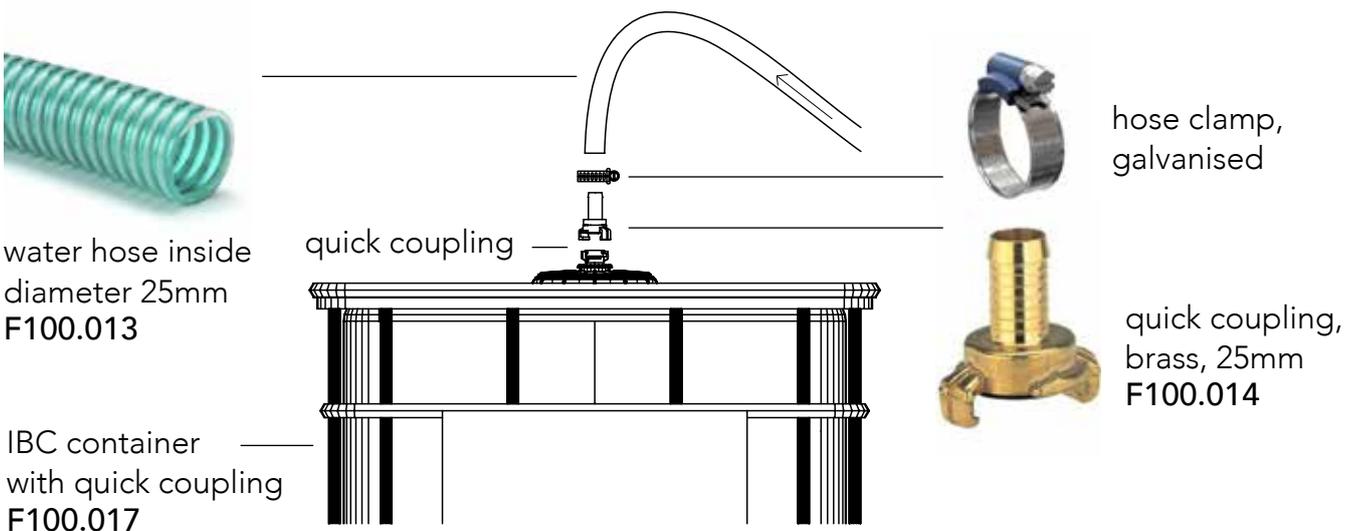
6.

F100.017 IBC container 1000 litre, with quick coupling

If there is no possibility to drain the waste water from the floor directly into the (dirty water) sewer, you can opt for an IBC container into which the water can be pumped. This container can then be emptied by a waste processing company. The quick coupling fits article F100.013.



water hose connected to IBC container via quick coupling





F100.018 Matching carrying/storage case

This is a system to pump (dirty) water away from Buitink mobile floor into an IBC container, the sewer (where permitted) or an oil and grease trap, for example. This pump can process water down to a water level of only a few mm.

F100.019 Back-up blower 230 V

This is a blower that fits the mobile liquid-tight floor with inflatable edges. This concerns the articles F100.001, F100.002, F100.003.





7. Customisation

In addition to several standard versions of the mobile liquid-tight floor, we can also deliver custom-made floors that are fully tailored to your situation.

Below you will find several examples of tailor-made solutions delivered or deliverable by us.

7.1. With side walls and roof

We can produce a liquid-tight floor with an integrated water damming and waterproof wall that is connected to the floor. This wall ensures that any water sprays during the cleaning of cars is collected in the liquid-tight floor.

We can deliver the liquid-tight floors with fixed waterproof side walls, with removable dividing walls, or with sliding curtain systems. In addition, we can deliver a lightweight and removable roof construction for the Buitink mobile floor.





7.2 With detachable foam edges

Foam-filled - instead of air-filled - edges are a good option if trucks are not frequently driving up and down the floor, or when no power supply is available for the blower.

A disadvantage of foam-filled edges is that the floor is more difficult to fold when not in use.

However, we can make the foam-filled edges removable. The foam can then be taken out of the edge, so that the floor can be folded into a small package and stored.





7.3 (Harsh) chemicals

In situations where (harsh) chemicals need to be collected, we can help you to select the appropriate material for the mobile liquid-tight floor.

We can even offer a solution in situations where the floor comes into contact with aromatic compounds, such as gasoline, benzene, toluene, methanol, alcohol, xylene, or styrene.

In case of high concentrations of chlorine (33% or even more), high temperatures (50 degrees Celsius, for example), we can also deliver a suitable mobile liquid-tight floor.

Our motto is:

We solve it with a flexible solution!