COVENANT

Covenant
K97237-02

Issued *2019-09-01*

Replaces *K97237-01*

Mobile Liquid-Tight Floor

STATEMENT BY KIWA

With this Covenant, in accordance with the Kiwa Regulations for Product Certification, Kiwa declares that there is legitimate confidence that the products supplied by

Buitink Technology

that are specified in this covenant and marked with the Kiwa® certification mark, comply on delivery with the Kiwa Covenant handbook K15013, dated January 2016

Ronald Karel
Kiwa

Publication of the certificate is allowed.
advice: consult www.kiwa.nl in order to ensure that this certificate is valid.

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1 Scope of the Covenant

1.1 Definition of the product

The Mobile Liquid-Tight Floor consists of a PVC-coated or TPU-coated geotextile fitted with an inflatable rim and a drainage point.

The intended use of the Mobile Liquid-Tight Floor:

This is a mobile floor that can be installed temporarily on location and on which cars, lorries and other vehicles can be cleaned; to prevent soil contamination, the liquids used for cleaning can be collected and removed in a controlled way.

1.2 Assumed life span of the product

The conditions and the verification and assessment methods that are part of this Kiwa Covenant or are referred to in this Kiwa Covenant are based on the assumed life span of the mobile liquid-tight floor of 4000 hours of use. These conditions are based on the current status of the product and general knowledge and experience.

"Assumed life span" means that, when the life span has been determined in accordance with the Kiwa Covenant conditions, and when that life span has elapsed, under normal conditions the actual life span can be significantly longer and the product can continue to meet the requirements.

The specification of the product's life span can under no circumstances be interpreted as a guarantee from the product supplier, its representative or Kiwa Nederland B.V., which issues the Kiwa Covenant. The specification serves as a means of determining the correct product in relation to the expected economically reasonable life span of that product.

1.3 Terminology related to the product

PVC	polyvinyl chloride
TPU	thermoplastic polyurethane

2 Fitness for use

2.1 Meaning of 'fitness for use'

The 'fitness for use' (for the intended use) of the product means that the product has the attributes that ensure that the Buitink Mobile Liquid-Tight Floor, when properly designed and manufactured, complies with the requirements of this Kiwa Covenant and is suitable for the intended use; in that sense, it also complies with the requirements in this Kiwa Covenant if installed and used correctly.

2.2 Determining the 'fitness for use'

The relevant attributes of the Mobile Liquid-Tight Floor in relation to 'fitness for use' and the verification methods used for this purpose are displayed in Chapter 3 and include the results of the actual verification.

3 Relevant product attributes, the requisite verification method and the assessment of the 'fitness for use'

3.1 Dimensions

The dimensions of the product are fixed on the basis of the dimensions agreed with the client. The dimensions are inspected in line with the drawing for each product in accordance with ISO 4592.

3.2 Use of materials

The materials, geotextile, grommet and lead-through that are used are purchased on the basis of the specifications, and the type and amount are checked on arrival.

Geotextile type 1: B6000 - PVC

Attribute	Assessment method	Assessment
Liquid density	BS EN 20811	> 400 cms/H2O
Tensile strength (warp/weft)	DIN 53 354 BS 3424 method 6A	4000 N/5cm / 3500 N/5cm
Tear resistance (warp/weft)	DIN 53354 BS 3424 method 7A	600 N / 600N
Tensile strength welding joint (warp/weft)	EN 12316-2 and EN 6133	3000 N/5cm / 2500 N/5cm

Geotextile type 2: Heytex H5526 – PVC

Attribute	Assessment method	Assessment
Liquid density	BS EN 20811	> 400 cms/H2O
Tensile strength (warp/weft)	DIN EN ISO 1421-1	7400 N/5cm / 6400 N/5cm
Tear resistance (warp/weft)	DIN 53363	1200 N / 1100N
Tensile strength welding joint (warp/weft)	EN 12316-2 and EN 6133	5500 N/5cm / 4500 N/5cm

Geotextile type 3: Heytex H8550 – TPU

Attribute	Assessment method	Assessment
Liquid density	BS EN 20811	> 400 cms/H2O
Tensile strength (warp/weft)	DIN 53 354 BS 3424 method 6A	5200 N/5cm / 4400 N/5cm
Tear resistance (warp/weft)	DIN 53354 BS 3424 method 7A	600 N / 550 N
Tensile strength welding joint (warp/weft)	EN 12316-2 and EN 6133	5000 N/5cm / 4000 N/5cm

3.3 Product attributes

Attribute	Assessment method	Frequency
Dimension	ISO 4592	Per product
Tensile strength welding joint	EN 12316-2 and EN 6133	Test weld before start manufacturing
Density welding joint	ASTM D 5641 - 94	3 positions per product
Visual damage	EN 1850-1 §3 and §6	Full product

4 Initial inspection and continuous monitoring by Kiwa

4.1 Initial inspection

During an initial inspection, the IQC plan is audited, tests are witnessed, and samples are taken for the purpose of verification.

The certificates that were issued for the Mobile Liquid-Tight Floors manufactured in the (recent) past are verified.

4.2 Continuous monitoring

Regular audits are carried out once a year, where, in addition to the IQC plan, the following attributes of a product are checked during production:

Attribute	Assessment method
Dimension	ISO 4592
Tensile strength welding joint	EN 12316-2 and EN 6133
Density welding joint	ASTM D 5641 - 94
Visual damage	EN 1850-1 §3 and §6

A sample is taken of the test weld for an external verification examination of the tensile strength.

5 Conditions under which the “fitness for the intended use” is assessed

5.1 Manufacturing the product

The Mobile Liquid-Tight Floor is manufactured using a PVC-coated or TPU-coated geotextile by connecting strips of elements and adding the elements required for fixing the floor and draining off liquids.

The following materials, which are recorded in the IQC plan, are used:
- reinforced PVC-coated or TPU-coated geotextile
- Grommet
- Lead-through.

5.2 General conditions for using, storing and transporting the product

The following conditions should be maintained for the floor:

- Use:
  - the surface must be free of sharp materials and substances that are corrosive for PVC or TPU
  - the floor should be installed on a flat surface in such a way that the floor can only be emptied by means of a slope using the designated drainage channel
  - the floor should be installed without folds or creases
  - the floor may not be loaded with sharp materials
  - the wheel pressure of vehicles positioned on the floor should not exceed the permitted load for road transport on motorways
  - when driving on and off the floor, this should be done as much as possible without steering movements and when steering movements are necessary, they should be made while the wheels are rolling
  - the use of undiluted aggressive chemicals / cleaning products in a different way than when used on vehicles for road transport must be avoided
  - when using the floor for the first time, it should be checked for damage such as scratches, holes, permanent distortion due to sharp folds and/or wear and tear or conditions as a result of which the liquid density is no longer adequate.

- Short-term storage and transport:
  - in a dry state at temperatures under 0° Celsius
  - folds in the product may only bear the load (mass) of the product itself.

- Long-term storage:
  - rinse clean
  - dry
  - avoid direct sunlight
  - folds in the product may only bear the load (mass) of the product itself.

5.3 Tips for the customer

Inspect the delivery to ensure that:

- All the agreed materials were delivered
- The certification mark and marking method are correct
- The products display no visible defects as a consequence of transport and the like.

If you decide not to accept the product on the basis of the above inspection, please contact:

- Buitink Technology

And, if necessary:

- Kiwa Nederland B.V.

For information about storing, transporting and using the product properly, see the certificate-holder’s instructions