

01.

Material specification

Product

Portable liquid-tight floor — Heavy Duty

Model

F100.002 (inflatable edges) / F100.005 (foam edges)

Manufacturer

Buitink Technology, Duiven, The Netherlands

Date

2026-09-05

Version

01

Heavy Duty Floor — fabric type B1400 class

Our heaviest floor fabric: approx. **1,400 g/m²**, where 900 g/m² is the market standard. Built for years of driving on and off with loaders, trucks and cranes — a fabric virtually no other supplier offers.

Fabric type	Buitink B1400 class (Heavy Duty)
Base fabric	high-tenacity polyester, 1,100–1,670 dtex
Coating	PVC / PVC alloy, both sides
Total weight	approx. 1,360–1,400 g/m²
Tensile strength (warp/weft)	≥ 7,300 / ≥ 6,400 N/5 cm (EN ISO 1421)
Tear resistance	≥ 350 N (ISO 4674/B); up to 1,200 N (DIN 53363)
Weld seam adhesion	≥ 100 N/5 cm, HF-welded
Puncture resistance	high: 535 N (EN 14574) / 2,000 N (FED-STD-101C)
Temperature range	-30 °C to +70 °C
Standard colours	light grey or bright blue



Heavy Duty: built for heavy plant, day in day out.

Certification and quality

- **Kiwa covenant K97237-2** — the complete floor is Kiwa-certified as a finished product and carries the Kiwa mark with a unique registration number.
- Every weld seam is factory-checked; liquid-tightness tested in accordance with the Kiwa covenant.
- Ozone and ageing resistant; withstands oils, fuels and cleaning agents.

Application

Intensive use with heavy plant: loaders, trucks, cranes, agricultural and tracked machinery. Our recommendation for virtually every professional wash bay.

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Extended test results Heavy Duty

The Heavy Duty fabric is tested on far more than strength alone. Virtually no other supplier of portable floors can present this depth of testing.

Elongation at break (w/w)	23 / 32% (ASTM D751-B)
Puncture resistance	535 N (EN 14574) / 2,000 N (FED-STD-101C)
Flex resistance	≥ 100,000 flex cycles (DIN 53359-A)
Abrasion resistance	> 1,500–2,000 cycles (Taber; DIN EN ISO 5470 / ASTM D3389)
Ozone resistance	no visible cracks (DIN ISO 1431-1; 50 pphm, 7 days, 30 °C)
Ageing resistance	tensile strength > 75% retained (DIN 53508)
Weld seam strength	> 75% of fabric strength (EN ISO 1421)
Blocking resistance	class 1 (ASTM D751; 70 °C, 6 hrs)
Air porosity	pass (BS 6F 100, 10 minutes)

Compliance and quality

- Quality in accordance with **ISO 15372** (inflatable rescue boat fabric) available.
- **REACH** and **RoHS** compliant; phthalate- and BPA-free (depending on fabric type).
- Typical values of the fabric types within the B1400 class, tested at 21 °C.

Why this matters

A wash pad floor is folded, driven on, abraded and exposed to sun, ozone and chemicals thousands of times. These tests prove the Heavy Duty fabric endures that for years — exactly the difference with the light ± 900 g/m² folding berms that are the market standard.