



LAKE SIDE
FLOOD SOLUTIONS

LAKE SIDE
DOUBLE DAM



PRODUCT DATA
SHEET

LFS Double Dam

Water-inflated, reusable temporary dam for protection up to 0.91m H.

Specification:

- Polyester-reinforced PVC-coated industrial fabric.
- Two water-filled chambers separated and restrained by an internal stabilising panel/baffle
- Operating stability derived from contained-water ballast, ground contact, required freeboard and an internal stabilizing panel that works in tension to preserve the barrier's oval cross-section.
- Designed to operate with 25% freeboard
- ISO 9001 Quality Assurance Standard

PRODUCT DATA SHEET

Key features:

- Lightweight, quick to deploy
- Reusable, repairable
- Flexible layout options
- Safety factor against rolling or sliding is 10 times greater than comparably priced single-tube systems
- Complete system with fill/drain hose connectors and closed ends, no additional devices required for stability
- Suitable for worksite dewatering and flood protection in waters up to 6' deep
- No anchors required



Metric Product Reference

Model	Inflated Height	Maximum working water depth	Dry mass per 15.2m section	Lay-flat width
DD24	0.61m	0.41m	74.8kg	1.52m
DD36	0.89m	0.66m	99.8kg	2.29m
DD48	1.22m	0.91m	117.9kg	3.05m

Personnel Requirements (for 100m span)

Function	Typical Allocation	Responsibility
Deployment Supervisor / Competent Person	1	Site assessment, crew briefing, barrier selection, freeboard verification, coordination and acceptance.
Deployment Operatives	2 - 4	Position modules, manage connections/overlaps, hoses, fittings and alignment.
Pump / Water Supply Operator	1	Pump setup, suction/discharge management and fill control.
Typical total crew	4-6 persons	Adjusted where site access, section size, terrain or mechanical handling demands additional resources.



Material Performance & Field Repair

Property	Current Documented Value
Material	Polyester-reinforced PVC-coated fabric
Base filament	1500 denier
Finished weight	30 oz/yd ² (approximately 1,017 g/m ²)
Tensile grab strength	490 lb/in warp / 440 lb/in weft
Nominal tear strength	160 lb warp / 210 lb weft
Adhesion	14 lb/in
Elongation	32% / 41%
Cold crack	-45°C
Puncture resistance	>1,050 kPa
Hydrostatic resistance	>5,250 kPa
Abrasion threshold	No quantified test value currently available

