



TECHNICAL DATA SHEET

JUMBO BLOCK®

PRODUCT DESCRIPTION

The JUMBO BLOCK® is a modular, high-load-bearing, and multifunctional system for the storage and retention of liquids. It enables the safe temporary storage, infiltration, and utilization of various liquids beneath roads, plazas, and industrial areas.

KEY FEATURES

- ✓ **Extreme load-bearing capacity**
- ✓ **Long lifespan:** Low maintenance due to durable high-performance concrete
- ✓ **Sustainable:** Effective liquid storage and retention
- ✓ **Quick & flexible installation:** No complex foundation required

TECHNICAL SPECIFICATIONS

Parameter	Value
Dimensions (L x W x H)	2.5 m x 2.5 m x 2.5 m
Total Volume	15.625 m ³
Storage Capacity	13.9 m ³
Material	High-performance concrete
Reinforcement	Steel reinforcement / fiber reinforcement / hybrid reinforcement *
Plate Thicknesses	Base plate: 100-150 mm * Side plate: 80-100 mm * Roadway plate: 150-200 mm *
Dry Weight	Approx. 5.8 t *
Load Class	F 900 *
Maximum Coverage	Up to 2.5 m soil/pavement structure *
Application Areas	Traffic areas, industry, airports, urban development
Assembly System	Modular connection with external cover plates
Fastening System	Bolted/bonded *

* depending on application

FUNCTIONALITY

- ✓ Storage and retention of liquids, including rainwater, floodwater, industrial water, and firefighting water
- ✓ Optional rapid infiltration with strip foundations
- ✓ Optional integrated sedimentation and filtration systems
- ✓ Suitable for heavy-duty areas with extreme loads
- ✓ Modularly expandable – flexible sizing for projects



APPLICATIONS

- ✓ Road construction & traffic areas
- ✓ Urban development & flood protection
- ✓ Industry & logistics centers
- ✓ Airport infrastructure
- ✓ Firefighting water storage & industrial water retention
- ✓ Renaturation & water management projects

INSTALLATION & MAINTENANCE

Installation: Directly on a prepared, load-bearing substrate
Connection: Modular connection through precisely fitting elements
Maintenance: Access via inspection openings (optional)

CONTACT

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