

MAPEDRAIN® SIMPLE DRAIN SYSTEM

MAPEDRAIN SIMPLE DRAINAGE SYSTEM (SDS) IS A COMPLETE SYSTEM FOR EASY, BELOW GRADE WATER COLLECTION

PRODUCT DESCRIPTION

Mapedrain Simple Drain System is a complete offering of modular 3-dimensional, high-flow, polypropylene drainage channels for easy on-site water collection.

FEATURES AND BENEFITS

- Compatible with Mapedrain HS, HS PLUS, and HSW
- Eliminates pipe & gravel
- Provides hydrostatic relief
- Filtered fabric prevents clogging from soil
- Lightweight and easy to install
- Cost effective
- Chemically resistant

SYSTEM COMPONENTS

- Mapedrain SDS 12" Channel
- Mapedrain SDS Side Outlet
- Mapedrain SDS End Outlet
- Mapedrain HS
- Mapedrain HS PLUS
- Mapedrain HSW

TECHNICAL DESCRIPTION

Property	Test Method	Typical Result
Core		
Thickness	ASTM D1777	1" (12.54 cm)
Compressive strength	ASTM D1621	9,500 psf (455 kN/m ²)
Flow (hydraulic gradient = 1)	ASTM D4716	23 g/min/ft (286 L/min/m)
Fabric		
Apparent opening size (AOS)	ASTM D4751	40 U.S. sieve (0.42 mm)
Grab tensile	ASTM D4632	365 × 200 lbs (1.625 × 890 kN)
CBR puncture	ASTM D6241	675 lbs. (3.004 kN)
Flow	ASTM D4491	30 gal/min/ft ² (372 L/min/m ²)

LIMITATIONS

- Mapedrain Simple Drain is not designed or intended to be used as a waterproofing membrane. Rather, it is an accessory for waterproofing systems.
- Do not leave Mapedrain Simple Drain permanently exposed to ultraviolet (UV) light.
- Backfill must be uniformly compacted in 6–12" lifts and must consist of clean, compactible soil. If angular aggregate is desired, it must be ¾" (19 mm) or less, and free of debris, sharp objects and stones larger than ¾" (19 mm)

PRODUCT DATA

Size T: 1" × W: 12" × L: 165'
(2.5 cm × 0.3 m × 50 m)
Weight Per Roll 65 lbs (29.2 kg)

WHERE TO USE

- Vertical foundation structures
- Retaining walls
- Pre-Applied or blind-side applications

PRODUCT CODES

- MDSDS12165
- MDSDS12SO
- MDSDS12EO

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PRODUCT INSTALLATION

Place Mapedrain Simple drain as required and adjacent to Mapedrain HS, HS PLUS or HSW panels per the project's design requirements.

Determine the locations for Mapedrain Simple drain Fittings and then cut the Mapedrain Simple Drain to the proper length between fittings, allowing for extra length for insertion into fittings. Insert Mapedrain Simple Drain completely into the fittings and attach the fabric of the Mapedrain Simple drain to the fittings using duct tape or a spray adhesive.

Secure the fittings and Mapedrain Simple Drain to the base of the wall with spray adhesive. If no waterproofing was used, secure Mapedrain Simple Drain with 1" (2.5 cm) washers and fasteners that are compatible with the substrate.

Connect 4" (10 cm) corrugated plastic drain-pipe to the side and/or end outlet fittings and run to sump or daylight. Ensure the substrate under the drain-pipe is well compacted to prevent settling of drain pipe prior to backfill.

CORPORATE HEADQUARTERS

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Product Disclaimer: Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects in its product that directly results in leakage for a period of 1 year. Refer to safety data sheet (SDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances. Polyglass U.S.A., Inc., reserves the right to improve and change its products at any time without prior notice. Polyglass U.S.A., Inc. cannot be held responsible for the use of its products under conditions beyond its own control. For most current product data, detail drawings and warranty information, visit www.polyglass.us