

RamDrain Series

High-Performance Dimple Drain Sheet

- **PROMOTES HIGH WATER FLOW**
- **RELIEVES HYDROSTATIC PRESSURE**
- **RETAINS SOIL AND SAND PARTICLES**
- **STANDARD AND HIGH COMPRESSION OPTIONS**
- **EASY INSTALLATION**



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RamDrain DD-025

Non-Woven Polystyrene Prefabricated Dimpled Drainage Mat (0.25")

RamDrain Dimple Drain (DD) 025 is a high-performance high-compression strength drainage sheet engineered to relieve hydrostatic pressure by creating a channel for liquid water. RamDrain DD 025 is a two-layer system. The first layer is constructed of a high strength, cusped (dimpled) polymeric sheet designed to provide superior compressive strength. Adhered to the high strength, cusped polymer base is a nonwoven filter fabric. The filter fabric is designed to promote high water flow while not allowing dirt and silt to penetrate the drainage channel.

Uses

- Plaza decks
- Green roofs
- Foundations
- Retaining walls
- Commercial planters
- Under Slab Drainage



48" x 50"
Roll Weight: 40lbs
10 Rolls Per Pallet
Coverage: 200 ft²

Drain Properties

Flow Capacity	9 gpm/ft of width	112 L/min/m of width	ASTM D-4716
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Core Properties

Material	Polymeric		
Thickness	¼"	6.35 mm	ASTM D-1777
Compressive Strength	10,000 lbs/ft ²	527 kPa	ASTM D-1621

Fabric Properties

Material	Polypropylene		
Grade Tensile Strength	110 lbf	445 N	ASTM D-4632
Puncture Strength	65 lbf	289 N	ASTM D-4833
Grab Strength	60%		ASTM D-4632
EOS (AOS)	100 sieve	0.152 mm	ASTM D-4751
UV at 500 hours	70%		ASTM D-4355
Flow Rate	150 gal/min/ft ²	6110 L/min/m ²	ASTM D-4491

RamDrain DD-025HS

High Strength Non-Woven Polystyrene Prefabricated Dimpled Drainage Mat (0.25")

RamDrain Dimple Drain (DD) 025 is a high-performance high-compression strength drainage sheet engineered to relieve hydrostatic pressure by creating a channel for liquid water. RamDrain DD 025 is a two-layer system. The first layer is constructed of a high strength, cusped (dimpled) polymeric sheet designed to provide superior compressive strength. Adhered to the high strength, cusped polymer base is a nonwoven filter fabric. The filter fabric is designed to promote high water flow while not allowing dirt and silt to penetrate the drainage channel.

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48" x 50"
Roll Weight: 40lbs
10 Rolls Per Pallet
Coverage: 200 ft²

Drain Properties

Flow Capacity	9 gpm/ft of width	112 L/min/m of width	ASTM D-4716
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Core Properties

Material	Polymeric		
Thickness	¼"	6.35 mm	ASTM D-1777
Compressive Strength	30,000 lb/ft ²	1581 kPa	ASTM D-1621

Fabric Properties

Material	Polypropylene		
Grade Tensile Strength	130 lbf	578 N	ASTM D-4632
Puncture Strength	41 lbf	181 N	ASTM D-4833
Grab Strength	60%		ASTM D-4632
EOS (AOS)	70 sieve	0.21 mm	ASTM D-4751
UV at 500 hours	70%		ASTM D-4355
Flow Rate	60 gal/min/ft ²	2460 L/min/m ²	ASTM D-4491

RamDrain DD-050

Non-Woven Polystyrene Prefabricated Dimpled Drainage Mat (0.50")

RamDrain DD 050 HS is a two-part prefabricated geocomposite drain consisting of formed polystyrene core that is covered on one side with woven monofilament filter fabric. This fabric allows water to pass into the drain core while restricting the movement of soil particles which might clog the core, allowing the water to flow to designated drainage exits. RamDrain DD 050 with ½" height can move more drainage water per foot width than a layer of stone which is 1' wide and 180" high and designed for horizontal applications.

Uses

- Plaza decks
- Green roofs
- Foundations
- Retaining walls
- Commercial planters



48" x 50"
Roll Weight: 45lbs
10 Rolls Per Pallet
Coverage: 200 ft²

Drain Properties

Flow Capacity	24.5 gpm/ft of width	287 L/min/m of width	ASTM D-4716
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Core Properties

Material	Polymeric		
Thickness	0.43"	11.1 mm	ASTM D-1777
Compressive Strength	15,000 lb/ft ²	790 kPa	ASTM D-1621

Fabric Properties

Material	Polypropylene		
Grade Tensile Strength	370 x 250 lbf	445 N	ASTM D-4632
Puncture Strength	120 lbf	534 N	ASTM D-4833
Grab Strength	60%		ASTM D-4632
EOS (AOS)	100 sieve	0.152 mm	ASTM D-4751
UV at 500 hours	70%		ASTM D-4355
Flow Rate	150 gal/min/ft ²	6110 L/min/m ²	ASTM D-4491

RamDrain DD-050HS

High Strength Non-Woven Polystyrene Prefabricated Dimpled Drainage Mat (0.50")

RamDrain DD 050 HS is a two-part prefabricated high-compression strength geocomposite drain consisting of formed polystyrene core that is covered on one side with woven monofilament filter fabric. This fabric allows water to pass into the drain core while restricting the movement of soil particles which might clog the core, allowing the water to flow to designated drainage exits. RamDrain DD 050 with ½" height can move more drainage water per foot width than a layer of stone which is 1' wide and 180" high. and designed for horizontal applications.

Uses

- Plaza decks
- Green roofs
- Foundations
- Retaining walls
- Commercial planters



48" x 50"
Roll Weight: 45lbs
10 Rolls Per Pallet
Coverage: 200 ft²

Drain Properties

Flow Capacity	24.5 gpm/ft of width	287 L/min/m of width	ASTM D-4716
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Core Properties

Material	Polymeric		
Thickness	0.43"	11.1 mm	ASTM D-1777
Compressive Strength	21,000 lb/ft ²	790 kPa	ASTM D-1621

Fabric Properties

Material	Polypropylene		
Grade Tensile Strength	370 x 250 lbf	445 N	ASTM D-4632
Puncture Strength	120 lbf	534 N	ASTM D-4833
Grab Strength	60%		ASTM D-4632
EOS (AOS)	100 sieve	0.152 mm	ASTM D-4751
UV at 500 hours	70%		ASTM D-4355
Flow Rate	150 gal/min/ft ²	6110 L/min/m ²	ASTM D-4491