StormTech® MC-4500 Chamber

Designed to meet the most stringent industry performance standards for superior structural integrity while providing designers with a cost-effective method to save valuable land and protect water resources. The StormTech system is designed primarily to be used under parking lots, thus maximizing land usage for private (commercial) and public applications. StormTech chambers can also be used in conjunction with Green Infrastructure, thus enhancing the performance and extending the service life of these practices.

Nominal Chamber Specifications
(not to scale)

Size (L x W x H)
52” x 100” x 60”
1321 mm x 2540 mm x 1524 mm

Chamber Storage
106.5 ft³ (3.01 m³)

Min. Installed Storage*
162.6 ft³ (4.60 m³)

Weight
125 lbs (56.7 kg)

Shipping
7 chambers/pallet
5 end caps/pallet
11 pallets/truck

*Assumes a minimum of 12” (300 mm) of stone above, 9” (230 mm) of stone below chambers, 9” (230 mm) of stone between chambers/ end caps and 40% stone porosity.

Nominal End Cap Specifications
(not to scale)

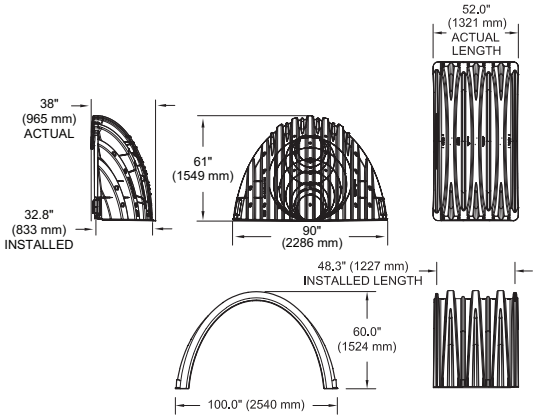
Size (L x W x H)
38” x 90” x 61”
965 mm x 2286 mm x 1549 mm

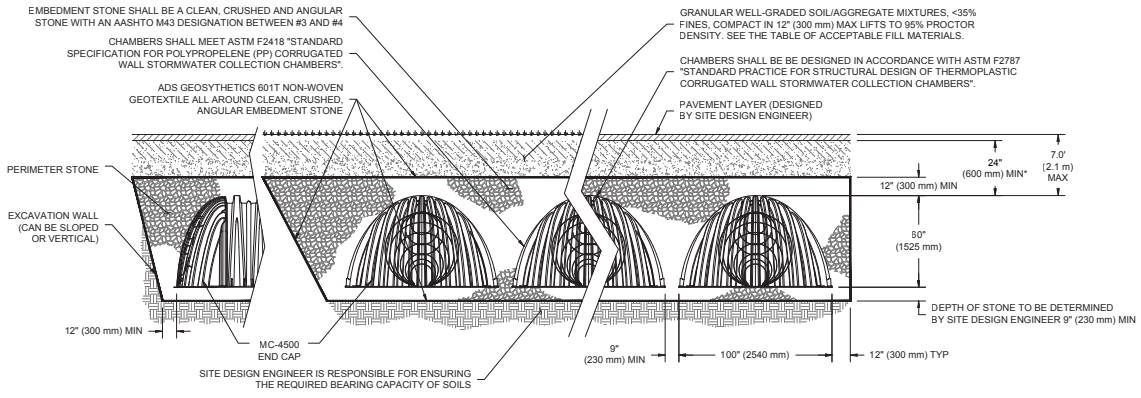
End Cap Storage
39.5 ft³ (1.12 m³)

Min. Installed Storage*
115.3 ft³ (3.26 m³)

Weight
90.0 lbs (40.8 kg)

*Assumes a minimum of 12” (300 mm) of stone above, 9” (230 mm) of stone below, 12” (300 mm) of stone perimeter, 9” (230 mm) of stone between chambers/ end caps and 40% stone porosity.





*MINIMUM COVER TO BOTTOM OF FLEXIBLE PAVEMENT. FOR UNPAVED INSTALLATIONS WHERE RUTTING FROM VEHICLES MAY OCCUR, INCREASE COVER TO 30" (750 mm).

StormTech MC-4500 Specifications

Storage Volume Per Chamber

Bare Chamber Storage Volume				
ft³ (m³)	106.5 (3.02)			
Including Stone Backfill				
Stone Foundation Depth in (mm)	9 (230)	12 (300)	15 (375)	18 (450)
Stone Foundation Depth ft³ (m³)	162.9 (4.60)	166.3 (4.71)	169.9 (4.71)	173.6 (4.91)

Note: Assumes 9" (230 mm) row spacing, 40% stone porosity, 12" (300 mm) stone above and includes the bare chamber volume. End cap volume assumes 12" (300 mm) stone perimeter in front of end cap.

Storage Volume Per End Cap

Bare End Cap Storage Volume				
ft³ (m³)	39.5 (1.12)			
Including Stone Backfill				
Stone Foundation Depth in (mm)	9 (230)	12 (300)	15 (375)	18 (450)
Stone Foundation Depth ft³ (m³)	115.3 (3.26)	111.9 (3.17)	121.9 (3.45)	125.2 (3.54)

Note: Assumes 9" (230 mm) row spacing, 40% stone porosity, 12" (300 mm) stone above and includes the bare end cap volume. End cap volume assumes 12" (300 mm) stone perimeter in front of end cap.

Amount of Stone Per Chamber

Stone Foundation Depth in (mm)	Stone Mass Tons (kg)	Stone Volume yd³ (m³)
9 (230)	7.4 (6,713)	5.2 (4.0)
12 (300)	7.8 (7,076)	5.5 (4.2)
15 (375)	8.3 (7,529)	5.9 (4.5)
18 (450)	10.4 (7,983)	7.4 (4.7)

Note: Assumes 12" (300 mm) of stone above and 9" (230 mm) row spacing and 12" (300 mm) of perimeter stone in front of end caps.

Amount of Stone Per End Cap

Stone Foundation Depth in (mm)	Stone Mass Tons (kg)	Stone Volume yd³ (m³)
9 (230)	9.8 (8,890)	7.0 (5.3)
12 (300)	10.2 (9,253)	7.3 (5.5)
15 (375)	10.6 (9,616)	7.6 (5.8)
18 (450)	11.1 (10,069)	7.9 (6.0)

Note: Assumes 12" (300 mm) of stone above and 9" (230 mm) row spacing and 12" (300 mm) of perimeter stone in front of end caps.

Volume Excavation Per Chamber

Stone Foundation Depth [in (mm)]	9 (230)	12 (300)	15 (375)	18 (450)
yd³ (m³)	10.5 (8.0)	10.8 (8.3)	11.2 (8.5)	11.5 (8.8)

Note: Assumes 12" (300 mm) of stone above and 9" (230 mm) row spacing and 12" (300 mm) of perimeter stone in front of end caps.

Volume Excavation Per End Cap

Stone Foundation Depth [in (mm)]	9 (230)	12 (300)	15 (375)	18 (450)
yd³ (m³)	9.7 (7.4)	10.0 (7.6)	10.3 (7.9)	10.6 (8.1)

Note: Assumes 12" (300 mm) of stone above and 9" (230 mm) row spacing and 12" (300 mm) of perimeter stone in front of end caps.

ADS StormTech products, manufactured in accordance with ASTM F2418 or ASTMF2922, comply with all requirements in the Build America, Buy America (BABA) Act.

Scan the QR Code to check out the Declaration of Performance page.

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