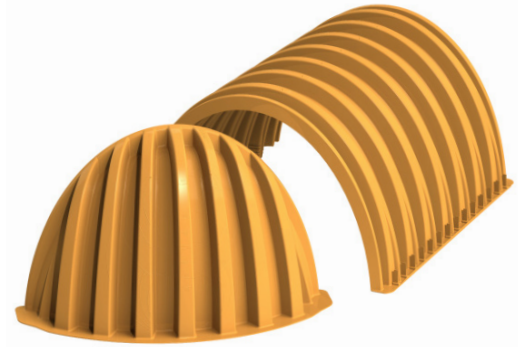


StormTech[®] MC-3500 Chamber

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)

90" x 77" x 45"

2286 mm x 1956 mm x 1143 mm

Chamber Storage

109.9 ft³ (3.11 m³)

Min. Installed Storage*

175.0 ft³ (4.96 m³)

Weight

134 lbs (60.8 kg)

Shipping

15 chambers/pallet

7 end caps/pallet

7 pallets/truck

Nominal End Cap Specifications

(not to scale)

Size (L x W x H)

26.5" x 71" x 45.1"

673 mm x 1803 mm x 1145 mm

End Cap Storage

14.9 ft³ (0.42 m³)

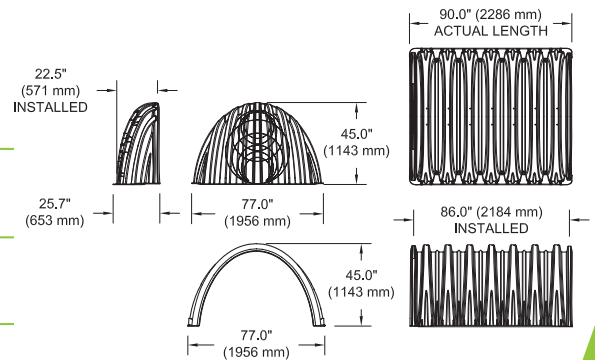
Min. Installed Storage*

45.1 ft³ (1.28 m³)

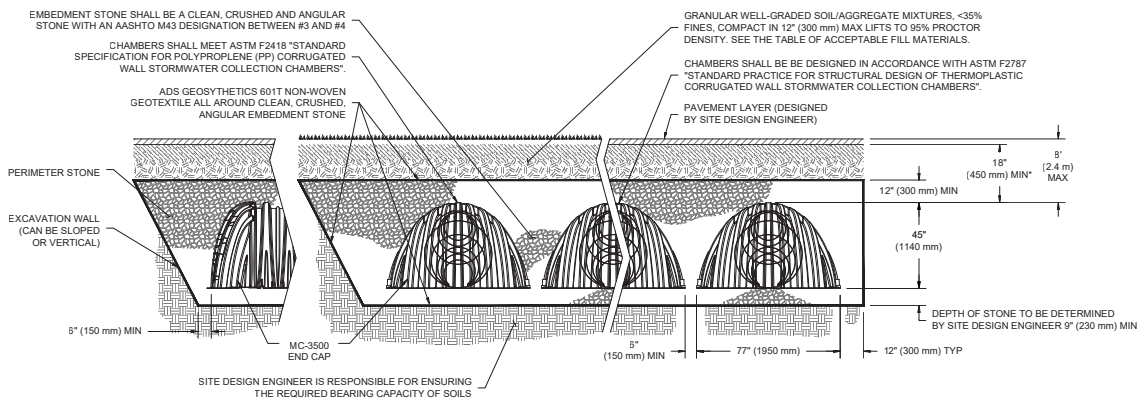
Weight

49 lbs (22.2 kg)

*Assumes a minimum of 12" (300 mm) of stone above, 9" (230 mm) of stone below, 6" (150 mm) of stone perimeter, 6" (150 mm) of stone between chambers/ end caps and 40% stone porosity.



*Assumes a minimum of 12" (300 mm) of stone above, 9" (230 mm) of stone below chambers, 6" (150 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 24" (600 mm).



StormTech MC-3500 Specifications

Storage Volume Per Chamber

Bare Chamber Storage Volume				
ft³ (m³)		109.9 (3.11)		
Including Stone Backfill				
Stone Foundation Depth in (mm)	9 (230)	12 (300)	15 (375)	18 (450)
Stone Foundation Depth ft³ (m³)	175.0 (4.96)	179.9 (5.09)	184.9 (5.24)	189.9 (5.38)

Note: Assumes 6" (150 mm) row spacing, 40% stone porosity, 12" (300 mm) stone above and includes the bare chamber volume.

Storage Volume Per End Cap

Bare End Cap Storage Volume				
ft³ (m³)		14.9 (0.42)		
Including Stone Backfill				
Stone Foundation Depth in (mm)	9 (230)	12 (300)	15 (375)	18 (450)
Stone Foundation Depth ft³ (m³)	14.9 (0.42)	45.1 (1.28)	48.3 (1.37)	49.9 (1.41)

Note: Assumes 6" (150 mm) row spacing, 40% stone porosity, 12" (300 mm) stone above and includes the bare end cap volume.

Amount of Stone Per Chamber

Stone Foundation Depth in (mm)	Stone Mass Tons (kg)	Stone Volume yd ³ (m ³)
9 (230)	8.5 (6.0)	7,711 (4.6)
12 (300)	9.1 (6.5)	8,255 (5.0)
15 (375)	9.7 (6.9)	8,800 (5.3)
18 (450)	10.4 (7.4)	9,435 (5.7)

Note: Assumes 6" (150 mm) row spacing, 40% stone porosity, 12" (300 mm) stone above and includes the bare chamber volume.

Amount of Stone Per End Cap

Stone Foundation Depth in (mm)	Stone Mass Tons (kg)	Stone Volume yd ³ (m ³)
9 (230)	3.9 (2.8)	3,538 (2.1)
12 (300)	4.1 (2.9)	3,719 (2.2)
15 (375)	4.3 (3.1)	3,901 (2.4)
18 (450)	4.5 (3.2)	4,082 (2.5)

Note: Assumes 6" (150 mm) row spacing, 40% stone porosity, 12" (300 mm) stone above and includes the bare end cap volume.

Volume Excavation Per Chamber

Stone Foundation Depth [in (mm)]	9 (230)	12 (300)	15 (375)	18 (450)
ft ³ (m ³)	11.9 (9.1)	12.4 (9.5)	12.8 (9.8)	13.3 (10.2)

Note: Assumes 6" (150 mm) of separation between chamber rows and 24" (600 mm) of cover. The volume of excavation will vary as depth of cover increases.

Volume Excavation Per End Cap

Stone Foundation Depth [in (mm)]	9 (230)	12 (300)	15 (375)	18 (450)
ft ³ (m ³)	4.0 (3.1)	4.1 (3.2)	4.3 (3.3)	4.4 (3.4)

Note: Assumes 6" (150 mm) of separation between chamber rows and 24" (600 mm) of cover. The volume of excavation will vary as depth of cover increases.

ADS StormTech products, manufactured in accordance with ASTM F2418 or ASTM F2922, 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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