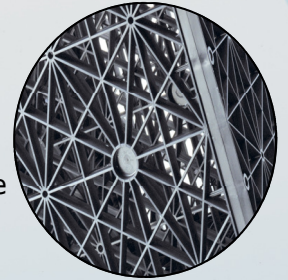


# SPORT TANK & THE EGS SYSTEM

Every element of the ESS EnviroGreen System is engineered together to ensure our exemplary level of performance is met from top to bottom. Using Sport Tank Water Management Structures with the ESS EnviroGreen System (EGS) provides the most efficient alternative to traditional storm water management for synthetic turf applications. The EGS™ system incorporates a special drainage and shock absorption layer that's installed across the entire width of the field. The synthetic base layer controls the system's shock attenuation and gives the turf superior drainage and outstanding support. By incorporating Sport Tank with the EGS™ system, storage of water runoff is maximized by the void space created by the structural modular unit. After a rain event, Sport Tank will allow you to completely manage storm water. It can be used as storage detention, storage retention and/or infiltration system.

## BENEFITS

- **Cost Effective**—Ideally suited for perimeter trench installation in synthetic turf applications
- **High-volume storage within a small footprint:** 95% void internal area
- **Modular Design:** Can be placed in any shape to efficiently use space and stackable in depths of more than 7'
- **High Strength:** May be used under parking lots and roads
- **Increased Infiltration:** Outer shell is 90% open thereby increasing ground water recharge
- **Easy Transportation:** Can be supplied un-assembled to reduce delivery cost
- **Lightweight and easy to install:** Can be put in place by hand
- **Permanent and Maintainable Storage Volume:** All storage volume is isolated inside a geosynthetic envelope and has no reliance upon non-sustainable, temporary, or assumed void space in aggregate backfill
- **Eligible for LEED Credits**



The Enviro-Green™ System (EGS)

w/ Sport Drain<sub>MAX</sub>

## STORAGE & RE-USE

Sport Tank promotes a clean water storage area under your synthetic turf field. Sport Tank maintains 100% of its capacity inside the structure, thereby eliminating the use of aggregate storage. This completely maintenance-free system, provides maximum storage in limited space, and is the better way to store storm water.

## RETENTION & INFILTRATION

Sport Tank promotes a localized storage area so that water can infiltrate into the subsoil at a controlled rate for ground water re-charge. Sport Tanks are the ideal way to manage storm water run off in permeable or semi permeable soil conditions. The system is designed to capture surface water through infiltration and then filter the water for recharging into water table.

## DETENTION

Sport Tank is designed to manage the temporary storage of storm water to prevent excess runoff from being discharged into the existing storm sewer systems. In a detention system, the storm water is stored then discharged over time so runoff does not exceed the allowable discharge rate. Engineering a detention system for a synthetic turf field is maximized with Sport Tank while utilizing a minimum of the required space.



# TECHNICAL SHEET

## SPORT TANK Dimensions

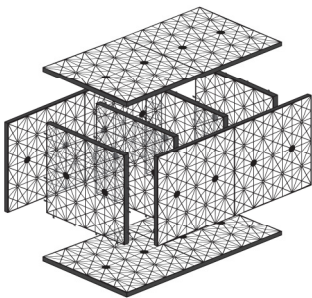
Module (Units)	Width (Inches)	Length (Inches)	Height (Inches)
Mini (1/2)	16.06	26.97	9.45
Single (1)	16.06	26.97	17.72
Double (2)	16.06	26.97	34.65
Triple (3)	16.06	26.97	51.57
Quad (4)	16.06	26.97	68.50
Penta (5)	16.06	26.97	85.43
Surface Area	95% Void		
Material	100% Polypropylene with 85% Recycled Content		
Biological and Chemical Resistance	Inert to commonly found chemicals and biologicals		
Working Temperature	-21° F to 131° F		

## Volume

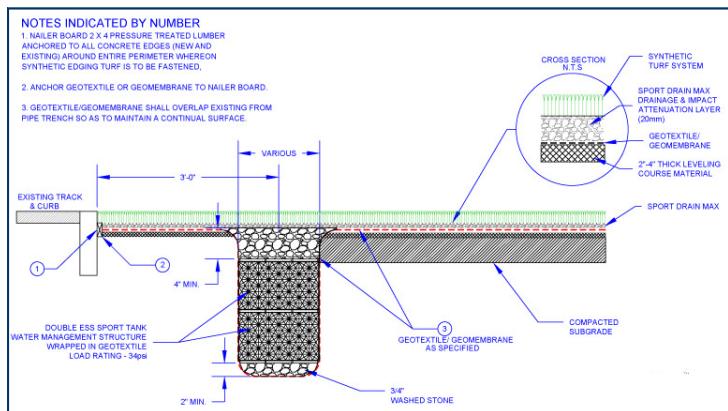
Module Units	Tank Volume (CF)	Tank Volume (Gal)	Water Storage (CF)	Water Storage (Gal)	Number of Plates	Weight (lbs)
Mini (1/2)	2.4	17.96	2.28	17.06	2/2/4	8.75
Single (1)	4.44	33.22	4.22	31.56	4/4	13.97
Double (2)	8.69	64.97	8.25	61.72	7/8	25.99
Triple (3)	12.93	96.72	12.28	91.88	10/12	38
Quad (4)	17.17	128.47	16.31	122.03	13/16	50
Penta (5)	21.42	160.21	20.35	152.19	16/20	62

## Ultimate Load / Unconfined Crush Testing

Top	Top Load	Side Load
Crush Load (PSI)	34	3.58
Displacement (Inches)	0.433	0.394



*Sport Tank is a modular system that can be assembled to a variety of heights from 9.5" up to over 7'.*



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