

VersiTank[®] 533

Runoff Infiltration Channel



VersiTank[®] 533 sub-surface water infiltration module is an efficient and cost-effective solution for runoff control and management when used as an integral part of a sustainable drainage system (SuDS).

Applicable Areas

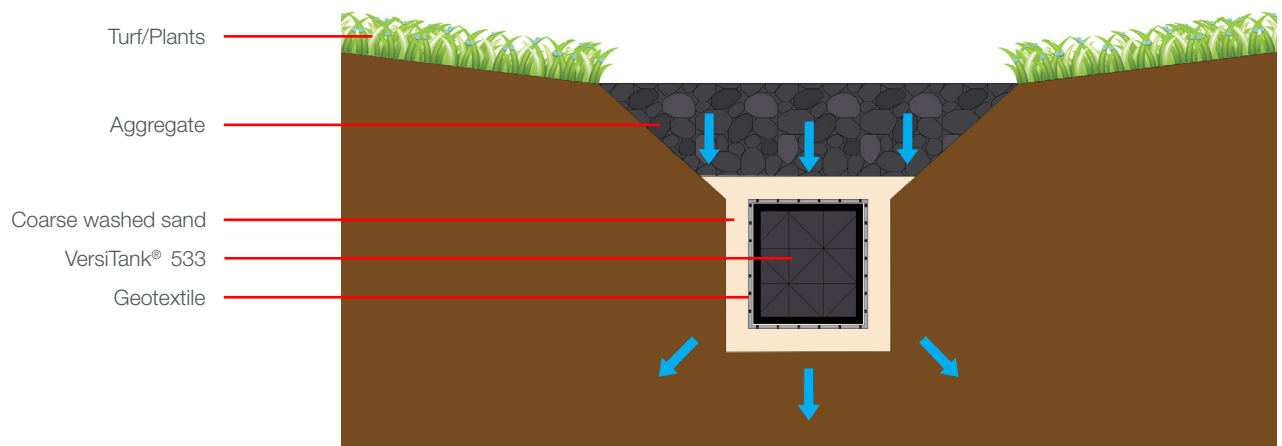
- Perimeter drain along parking lots and driveways
- Sub-soil drainage against weep holes in planters
- Vertical drainage cavity in planter boxes



Perimeter Drain Along Parking Lots And Driveways

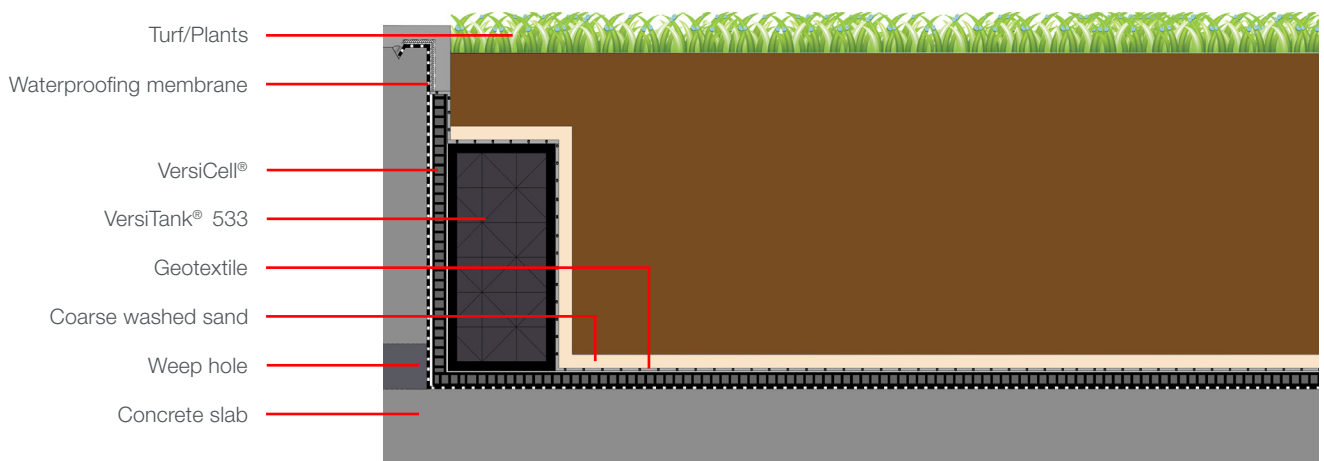
VersiTank[®] 533, when installed horizontally in a buried non-pressure application, redirects sub-surface water to reduce runoff volume through its infiltration and percolation capabilities. Compared to subsoil pipe (typically with only ~1–2% perforations), VersiTank[®] 533 has more than 80% surface area void of an equivalent length to allow quicker infiltration. This extends the duration of runoff retention on-site and reduces the downstream impact of large water volumes during heavy rainstorms.

VersiTank[®] 533 allows for installation at shallow depths. Its high compressive strength and structural rigidity ensure that long-term hydraulic flow capacity is never compromised when under high load.



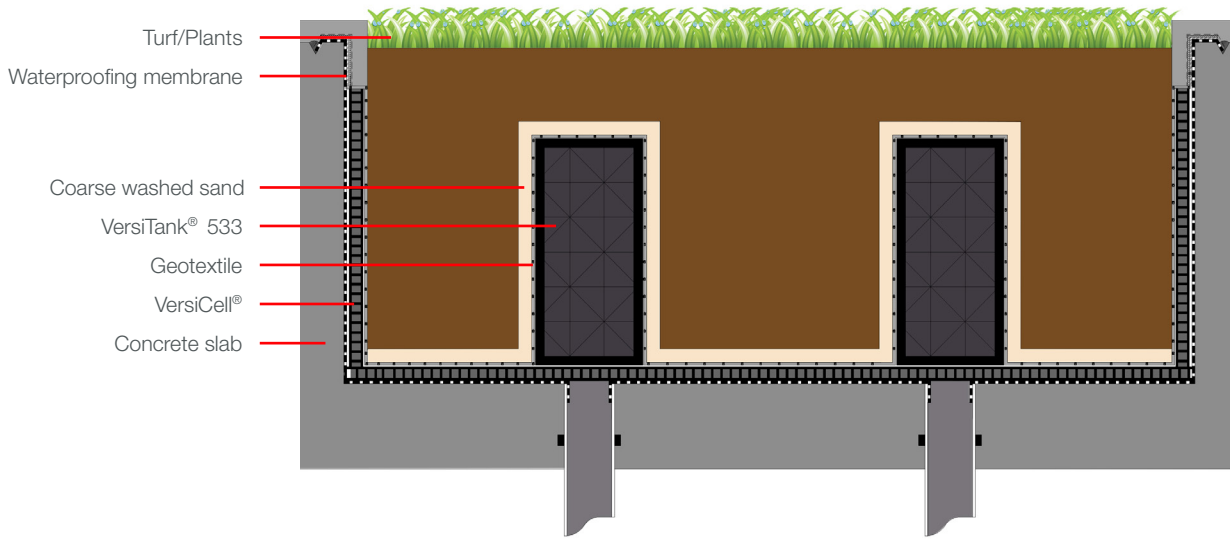
Sub-soil Drainage Against Weep Holes In Planters

VersiTank[®] 533, when installed against weep holes, creates buffer drainage capacity in large planters to deal with high volumes of water from intense rainfall.



Vertical Drainage Cavity In Planter Boxes

The module can also be installed vertically to enable quicker drainage and prevent the build-up of hydrostatic pressure on structures. The vertical drainage cavity enables rapid transport of excess water to drainage points on the roof, preventing waterlogging at the planter boxes and roof gardens.



Technical Specifications

| | |
|---|---------------------------------------|
| Material | PP |
| Dimensions | 500 (L) x 240 (W) x 260 (H) mm |
| Volume | 0.031 m ³ |
| Surface void area | ~80% |
| Internal void volume | ~90% |
| Biological / Chemical resistance | Good resistance to alkali and bitumen |

| Application orientation | Horizontal | Vertical |
|------------------------------|--------------|--------------|
| Load bearing face | 500 x 240 mm | 240 x 260 mm |
| Max load – unconfined | 3.4 t | 1.1 t |

Advantages

- Modularity facilitates handling, assembly and installation
- High compressive strength allows for installation closer to the surface (reduced excavation costs)
- Structural rigidity prevents loss of flow capacity when under high load or localised settlement



The Elmich security hologram ensures authenticity of the products.



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