

ShaliDrainCell 30

30 mm drainage cell



STP Limited

Description

ShaliDrainCell 30 is a 100% high impact polypropylene of thickness 30 mm. This System provides a perfect Solution for sub-soil drainage application for creating successful Roof Garden, without any traditional problems associated with cracking or leakage.

Product Information

Handling & Storage	ShaliDrainCell 30 rolls must be stored in original package in horizontal position and under cool and dry conditions. They must be protected from direct sunlight, rain, snow and ice, etc.
Packaging	Available in 500 mm x 250 mm x 30 mm & 500 mm x 500 mm x 30 mm

Technical Characteristics at 27°C, 55% RH*

Weight / m ² , kg	2.8
Compression Strength / m ² , tons	> 140
Flow rate, L / S / meter @ 1% gradient	11
Temperature Range, °C	-10 to +85
Surface void area, %	> 70
Internal void area, %	> 90

*All values are subjected to 5 - 20 % tolerance

Field of Application

- Roof decks, Planter Boxes, Podium gardens
- Retaining walls for foundation
- Road / Highway Edge drains
- Tunnels drainage
- Subfloors

Advantages

- Maintains actual void size for effective drainage after backfill& compaction
- Reduces hydrostatic forces upon sub-grade walls.
- Easy to shop, store and install comes in pre-clipped panels.
- Reduce the risk of waterproofing to crack due to thermal expansion in hot periods.
- Light weight hence no heavy machinery or skilled labour required.
- Site space utilization and minimum site disruption.
- Recharges Groundwater Table through principle of infiltration when used on natural Ground surface.

Application Methodology

➤ Surface Preparation

- Prepare base soils and granular fill to grades shown on plans, suitable for drainage application. Allow 30 mm for **ShaliDrainCell 30** drainage cell thickness.
- Ensure that any sharp objects on the surfaces are removed to avoid penetration of fabric or membrane liners. Keep the subsoil surface as smooth as possible.

➤ Material Application

- Install the underlayment liner (fabric and/or membrane), if called for, over the prepared sub grade, according to manufacturer's guidelines for seams, joints, buildings etc.
- Install the **ShaliDrainCell 30** units by placing on top of the waterproof membrane or on the top of the geotextiles as specified, cells can be butted or clipped to one to another. Cells placed on slopes and vertical surfaces shall be secured as appropriate to maintain cells in place.

Value base of product data

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control and different test methods.

Health and Safety information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent **Material Safety Data Sheet**.

- Avoid contact with skin / eyes and avoid swallowing.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.



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Product Range

- Waterproofing and Insulation ■ Road Surfacing
- Sealants and Additives ■ Pipeline Coating
- Protective / Anti-Corrosive Coating ■ Epoxy Flooring
- Grouts / Admixtures ■ RestoFix- Repair / Rehabilitation
- Other Construction Chemicals



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