

Fosroc® Proofex® Sheetdrain 81



constructive solutions

High-density polyethylene (HDPE) dimpled drainage membrane

Uses

Proofex Sheetdrain 81 is used for the protection and drainage of waterproofing membranes used on foundations which are subsequently backfilled. The product is also suitable for “dry” roof gardens where it replaces the traditional aggregate draining layer reducing installation time and reducing both the weight and thickness of the roof garden. It is an excellent general protective membrane for construction sites where drainage quality and mechanical resistance is important.

Advantages

- Lightweight and easy to carry
- High drainage and filtering capacity
- Excellent separating layer
- Not damaged by chemical agents present in the soil
- Will not affect drinking water

Description

Proofex Sheetdrain 81 consists of a layer of polypropylene geo-textile fabric with continuous-filament yarn and a high-density polyethylene (HDPE) dimpled membrane. Due to the special orthogonal drainage channels, it ensures excellent drainage and creates an air chamber that allows for higher volumes of water to be drained compared to traditional dimpled membranes. The action of the geotextile fabric ensures a constant filtering of soil particles and prevents the obstruction of drainage channels.

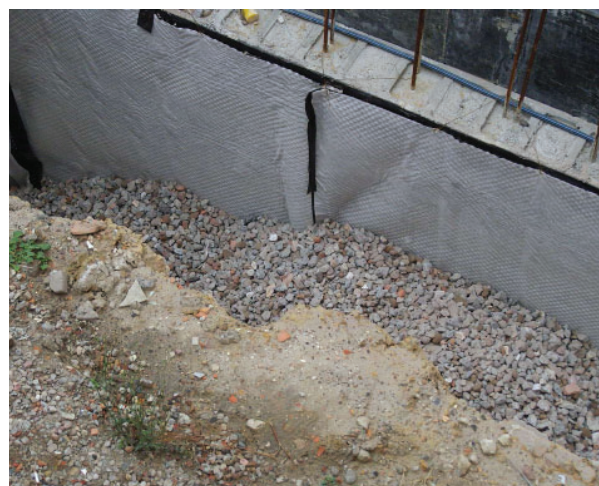
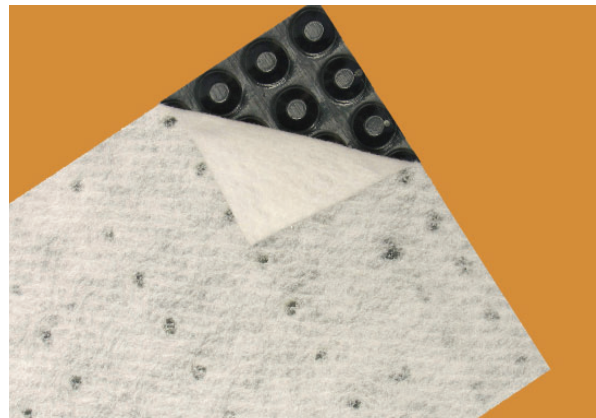
Design Criteria

Proofex Sheetdrain 81 is primarily designed to be used in conjunction with waterproofing membranes applied to vertical walls that are to be back-filled against and in horizontal applications such as roof gardens. The product provides excellent protection from damage from backfill materials.

Properties

Data quoted is typical for this product, but does not constitute a specification.

| | |
|---|--|
| Colour: | Black |
| Roll size: | 2m wide x 20m |
| Certificated compression resistance: | > 200kN/m ² (20 t/m ²) ca |
| Studs height: | 8mm |
| Studs per m²: | Approx 1860 |
| Air volume between studs: | 5.5 l/m ² approx |
| Drainage capacity: | 4.6 l/s/m |
| Thermal stability: | from -40°C to +80°C |
| Dimensional tolerance: | + 4% |



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Application Instructions

Laying instructions

Proofex Sheetdrain 81 is typically installed on basement walls after applying a waterproofing membrane on the foundation wall. The product is positioned vertically with the dimpled sheet against the wall and the geo-textile fabric facing the soil/backfill.

Proofex Sheetdrain 81 should extend down the full length of the wall and past the footing to a low point where effective drainage is achieved with slotted drainage pipe.

Fix the top portion of the Proofex Sheetdrain 81 using concrete nails at 500mm intervals.

After completing the fixing operations, proceed with the backfill, being careful to carry it out in uniform layers.

Supply

Proofex Sheetdrain 81: 2.0m wide x 20m roll

Material Code: FC043073-UNIT

Coverage

Proofex Sheetdrain 81: 40m² per roll

Important notice

A Safety Data Sheet (SDS) is available from the Fosroc website. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.