

# APTC Leakproof 8Geo

## Geo-composite drainage sheet

### Description

**APTC Leakproof 8Geo** is a geo composite drainage sheet used in waterproofing applications to assist in water drainage and the protection of underground membrane systems.

Featuring a heat treated geotextile layer adhered to HDPE dimpled sheet , **APTC Leakproof 8Geo** has a high compressive strength and is chemical and root resistant.

### Uses

**APTC Leakproof 8Geo** is designed to be used as a drainage and protective layer in underground waterproofing applications:

- Drainage sheet – for safe and continuous draining of water through the geotextile layer
- Protective layer – to provide protection of membrane systems against damages caused by soil pressure (vertical applications) and to assist in the equal distribution of soil load and reduction of point load (horizontal applications)

**Suitable areas of use:** Retaining walls, tunnels and underground car parks.

### Technical Properties

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| <b>RAW MATERIAL</b><br>(Dimpled sheet + Geotextile) | High density polyethylene (HDPE) + Polypropylene (PP)  |
| <b>COLOUR</b>                                       | Black and grey   |
| <b>DIMPLE HEIGHT</b>                                | 8mm (approx.)  |
| <b>ROLL DIMENSIONS</b>                              | 2m x 20m   |
| <b>COMPRESSIVE STRENGTH</b>                         | 200 kN/m <sup>2</sup>  |
| <b>WATER FLOW CAPACITY</b>                          | 2.48 litres per second per lineal metre with a conservative value of 2.4 litres per second                     |
| <b>WATER PERMEABILITY Vh50 (GTX)</b>                | 80x10 <sup>-3</sup> m/s (-15x10 <sup>-3</sup> m/s)   |
| <b>DYNAMIC PERFORATION RESISTANCE (GTX)</b>         | 33MM (+5mm)  |
| <b>TENSILE STRENGTH</b>                             | MD 11 kN/m (-2kN) ; CMD 9 kN/m (-2kN)  |
| <b>SERVICE TEMPERATURE RANGE</b>                    | -30, +80 °C  |
| <b>RESISTANCE TO WEATHERING</b>                     | Must be covered within two weeks of installation   |
| <b>DURABILITY</b>                                   | Up to 25 years in natural soils with 4 <pH<9 and soil temperatures <25°C                                       |
| <b>OTHER PROPERTIES</b>                             | Chemical and plant root resistant. Not harmful to drinking water. Resistant to acid, alkali, oil and solvents. |

## Storage

**APTC Leakproof 8Geo** should be stored in its original packaging in a cool, dry place protected from UV rays. Rolls must always be transported and stored in an upright position. Do not stack pallets on top of each other as this will damage the rolls. Keep away from direct heat sources.

## Limitations

- **APTC Leakproof 8Geo** must not be left exposed. Product must be covered within first two weeks of installation.
- The suitability of the product for each intended use must be determined by the purchaser prior to the application of the product.

## Health & Safety

APTC Australia supports best practice in material handling; gloves, mask, safety goggles and protective clothing should be worn when handling and using this product.

Safety data sheets (SDS) for this product are available on the APTC Australia website [www.aptc Aust.com.au](http://www.aptc Aust.com.au). Read the TDS and SDS carefully before using any product.

## Disclaimer

The information and recommendations provided regarding the application and use of APTC Australia products are based on APTC Australia's current knowledge and experience, assuming proper storage, handling, and application according to our guidelines. However, due to variations in materials, substrates, and site conditions, we cannot guarantee any warranties related to merchantability or fitness for a particular purpose, nor assume any liability based on this information, written recommendations, or other advice. Users must assess the suitability of the products for their specific application and purpose. APTC Australia reserves the right to modify product properties at any time. Third-party proprietary rights must be respected. All orders are subject to our current terms of sale and delivery. For the most up-to-date product information, users should refer to the latest version of the local product data sheet, which can be provided upon request.