

Narrow Filter Drains



The main types of **Filter Drain**, including **Fin Drain**, are illustrated below. In essence they are trenches, often described as “high-tech” land drains, utilising different materials, such as **Geotextiles** and **Geocomposites** (Geogrid sandwiched between layers of Geotextile), enhancing filtration & allowing more rapid transference of water from the surface into traditional piped drainage. They are intended to eliminate, or reduce, the need for a granular backfill, reducing construction time and cost.

The component parts are readily available from **Cirrus**.

Geocomposites can have permeable membranes to both faces, or one permeable and one impermeable face.

The **Geogrid** core can come in a range of thicknesses to cope with different flow requirements.

Fin Drains are now commonly used to provide drainage at pavement edges to ensure that the sub-base and capping layers of a carriageway are not adversely affected by high groundwater levels.

