

PHOSPHORUS RETENTIVE FILTER MEDIA

PRODUCT CODE - ESPRFM

PRODUCT SPECIFICATIONS

PRI	> 50 - means 50 year lifespan
Permeability	100 - 300 mm/hr
Percent fines	< 2% passing 0.05mm
Electrical conductivity	< 1.2dS/m
pH	6.5 - 8.5
Available phosphate	< 0.1mg/kg
Total nitrogen	< 700mg/kg

HOW TO USE

1. Install at a minimum depth of 300 mm - basins must be designed with adequate surface area according to catchment area and inflow
2. Evenly compact to achieve the desired permeability
3. Avoid driving over with heavy machinery
4. Can be planted in directly or used as a subsurface layer.

To ensure continued effectiveness of the product, a party responsible for maintenance of the basin should be appointed to address any changes in the basin profile, such as sedimentation or washouts during storm events.



PRODUCT OVERVIEW

Excess nutrient input into waterways poses a major ecological threat and leads to a range of negative environmental impacts. Controlling nutrient levels, most importantly phosphorus, in stormwater and surface water runoff is a key issue for sustainable development and environmental management.

Phosphorus Retentive Filter Media is designed for use in new and existing detention basins and bio-filters to remove phosphorus, improving water quality and reducing nutrient inputs into waterways and groundwater.

Phosphorus Retentive Filter Media is free draining and is designed to hold its nutrient stripping properties for a minimum of 50 years.