

The Gully Guard



An engineered environmentally friendly solution to assist entrapment and filtration of pollutants within surface run off. The Gully Guard is an effective and efficient system for silt management control

Gully pots, particularly in a new build situation where there is a lot of exposure to building debris, are prone to the build up of sediment. In some cases they can become completely silted up thus becoming blocked and inactive, this in turn can cause flash flooding and build-up of standing water on sites.

Urban storm water is known to comprise of hydrocarbons, heavy metals, nutrients and de-icing agents all of which can potentially cause contamination of the existing water course. If companies do not take adequate precautions to prevent severe contamination of the water course they can face prosecution and large fines by the Environmental Agency.



Infrastructure

- Quick and easy to install and maintain
- Reusable
- Prevents build-up of debris in the gully
- No restriction to water flow off the site
- Reduces gully maintenance costs
- One size fits a range of gully pot sizes

Build phase

- Reduces labour and mechanical costs involved in emptying the gullies
- Protects gullies during site construction
- Prevents gullies from being blocked by site silt and debris
- Visible site silt management system



Remediation

- Aids in containment of contaminated silt
- Assists in protecting the water course from pollutants found in run-off storm water – hydrocarbons, heavy metals etc.
- Environmentally friendly



Taylor Wimpey–Gully Guard case study

Having heard of Forest Group's Gully Guard product via a Taylor Wimpey health and safety forum, production director Tim Davies decided to trial it at the Trevenson Meadows site.

The area of build was originally farm land with deep topsoil, resulting in extremely muddy conditions during the construction process. In situations such as this there is potentially a high risk of contamination if silt run-off is not actively managed and controlled. If companies don't take adequate precautions to prevent this happening, they face prosecution and large fines if the contamination is severe. The usual method of filtering gullies is to line them with a membrane backfilled with straw, enabling water to pass through but capturing larger particles. Deposits of silt build up quickly, clogging the gully grates which have to be cleared by ground workers on a frequent basis.

"I admit I was sceptical at first, fully expecting the challenging conditions at the site to be more than a match for the product. However I'm extremely pleased with the results. There has been no clogging of gullies and no detectable contamination. This is a more technical solution than the usual outdated method and has met with approval from the Environment Agency who are equally impressed with the product."

Tim is confident that using Gully Guard has saved both time and money.

"There are definitely quantifiable benefits, particularly in reducing the necessity for ground workers to clear the gullies on a frequent basis. On this site, I estimate that using Gully Guard has reduced this need by up to 8 times.

"At Taylor Wimpey we take our environmental responsibilities very seriously. In this instance, dealing with excessive silt was the immediate problem, but we know that Gully Guard has also achieved excellent scientific test results in terms of how it copes with a wide range of other pollutants, including hydrocarbons, heavy metals and other chemicals.

"I would have no hesitation in recommending our continuing use of Gully Guard for our filtration needs. Put quite simply – it works."

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