



NSAI Agrément Certification

CULTEC Chambers Meet 3rd Party Standards

The National Standards Authority of Ireland (**NSAI**) **Agrément** (also known as the Irish Agrément Board) is an organization designated by the Irish government to carry out European Technical Assessments. A **European Technical Assessment** (ETA) is an alternative standard, determined by product testing, that covers construction products not traditionally included in a harmonized standard.

It is the duty of an ETA to provide information on a product's performance assessment in application. This standard can then be reliably used in the declaration of said product's performance in an official capacity, as it has been 3rd party verified. The result of this testing is a document called an NSAI Agrément Certificate.

This certificate establishes proof that the products within the certification are graded to be 'proper materials' by 3rd party; suitable for their intended use under Irish site conditions, including traffic and earth loads. This document also states that tested products are in accordance with the Irish site's Building Regulations 1997 to 2017. In the opinion of the NSAI, the CULTEC Recharger® chambers tested meet the requirements of these regulations.



Several CULTEC Recharger® Subsurface Stormwater Chambers recently underwent this rigorous 3rd party testing – specifically the 150XLHD, 330XLHD, and 902HD chambers. All three chambers were found to comply with the standards set forth by the requested ETA, proving that the quality of the chambers stands up to project standards.

As stated by the NSAI Agrément Certificate, CULTEC chambers used for sub-surface water storage/attenuation or as a soakaway/infiltration tank to manage rain water/runoff from impermeable surfaces are declared reliable. Subject to site conditions, the CULTEC Recharger® system is designed as interlocking modules and can be built up to create the volumetric capacity required for attenuation systems, infiltration systems, or a combined attenuation/infiltration system. Not only is the chamber in application confirmed as effective by this Certificate, but the material from which the system is constructed has been classified as 'proper'.



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Additionally, the system meets the requirements of the building regulations for workmanship. Conditions required include, but are not limited to, the following:

The CULTEC system, comprised as interlocking chambers and end caps, are laid on a bed of granular material in rows with predefined spacing as indicated in the product installation instructions. The first two chambers tested, the 150XLHD and the 330XLHD, are manufactured from high density polyethylene by thermoform molding. The third chamber, the much larger 902HD, is injection molded with impact-modified polypropylene. As specified in the design, either a non-woven geotextile or combination of a non-woven geotextile and an impermeable liner is placed over the entire site with sufficient material to allow the membrane to return up and over the side of the system.

The CULTEC systems are designed to be installed by a trained installer, and should follow the installation instructions provided. When installed appropriately, the Recharger® system can be used in green field, light and heavy trafficked areas.

The installation site itself must be checked for buried cables, utilities, or any other barriers to installation. The site's project manager must consider all aspects of site installation independent from the CULTEC product as part of their health and safety inspection.

In summary, the CULTEC Recharger® Subsurface Stormwater Management System is suitable for the control of storm water run-off from impermeable surfaces in traffic and non-traffic applications.



The CULTEC Recharger® Subsurface Stormwater Management System can be utilized in three ways as described in its NSAI Certificate, namely an infiltration soakaway, an impermeable attenuation system or a permeable attenuation system which combines infiltration and attenuation.

For a complete description of this NSAI certificate, please download the entire document by clicking here:

https://www.nsai.ie/images/uploads/certification-agreement/IAB180406_Cultec.pdf



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