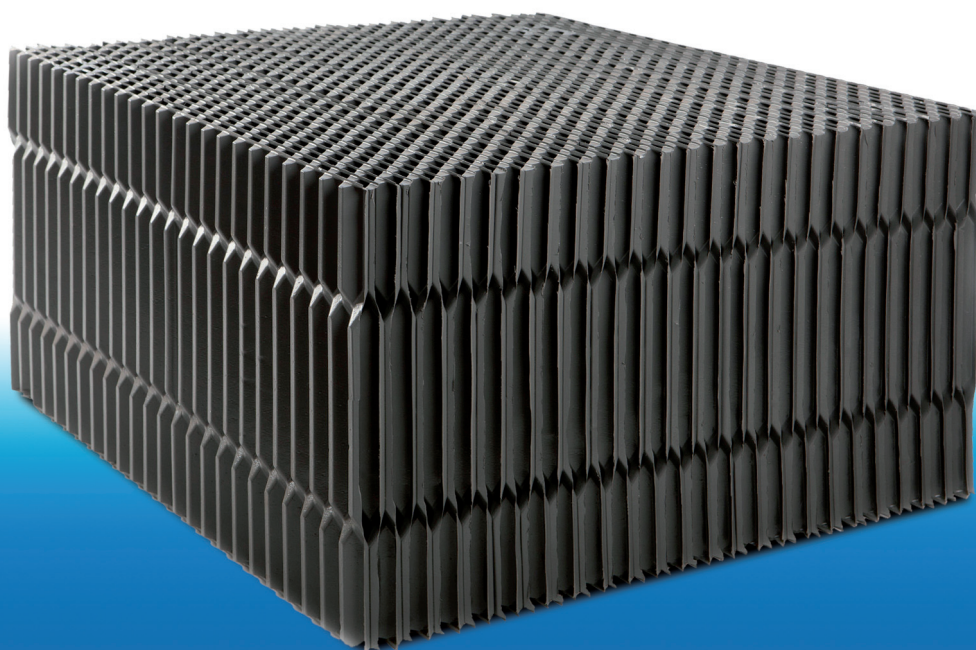


HAMON THERMAL EUROPE



Storing stormwater

GEOLIGHT®



Water management specialist



Why use the GEOLIGHT®



GEOlight® is a cellular block of assembled thermoformed sheets. This ultra light cellular structure (SAUL) is used to create underground reservoirs. Its significant mechanical strength means that the overlying surface can be reused (green areas, roads, etc.).

GEOlight® blocks are made from fully recycled PVC films. The products are assembled in our plant in France or directly on site. For an onsite installation, the blocks are simply placed side by side, without any connecting accessories.

GEOLIGHT®

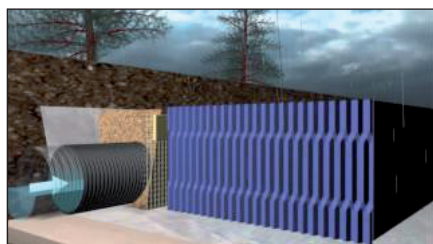
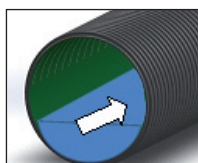
	200-1.5	400-1.8	400-3.6
Composition	Fully recycled PVC		
Dimensions (Standard)	2400 x 800 x 500 mm		
Density	40 Kg/m³	43 Kg/m³	55 Kg/m³
Compressive strength	200 Kpa	300 Kpa	400 Kpa
	Use		
Under green areas	✓	✓	✓
Under light traffic structures (car parks, etc.)		✓	✓
Under heavy traffic structures (motorways, roads, etc.)		✓	✓



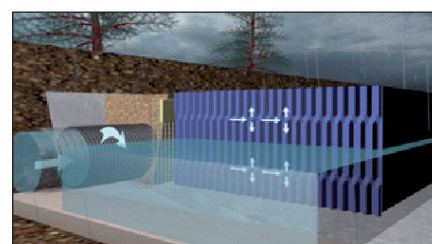
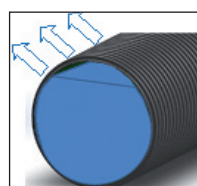
Principle of operation of an underground reservoir GEOLIGHT®

Stormwater flows through the drains up to the manhole, and it is the water flow entering the reservoir that determines its operation:

For fine or moderate rain,
the water flows only in the diffuser.
(By-Pass effect) (patented infiltration system)

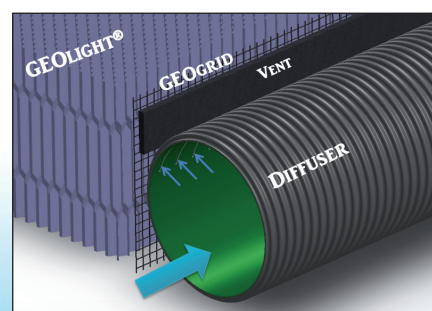


In the event of heavy rain or storms, the water flows in
the diffuser and fills the GEOlight blocks
through the perforations at the top of the diffuser.



The patented infiltration system

The perforations at the top of the diffuser enable 'By Pass' use when there is light rain. This patented function means that the reservoir is not filled unnecessarily but also that initial pollution can be evacuated (e.g. hydrocarbons, fines, etc.).



Principle for installing a storage reservoir **GEOlight®**

Step 1: Adjustment of the subgrade and installation of the geotextile and geomembrane (if required) in the reservoir



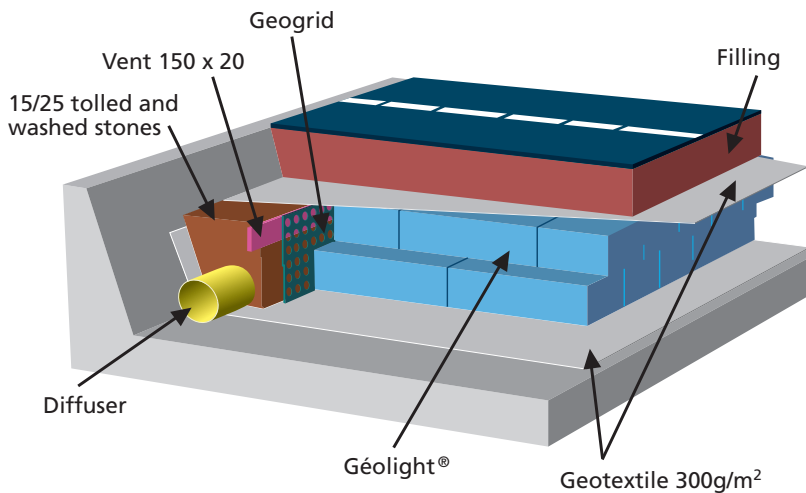
Step 2: Installation of the infiltration network



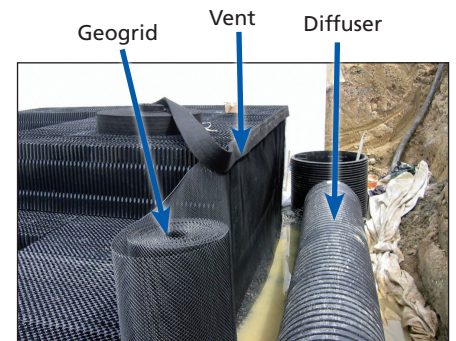
Step 3: Installation of the GEOlight blocks without any handling equipment



Step 4: Blocks are covered with the upper geotextile: peripheral and upper filling materials, compacting



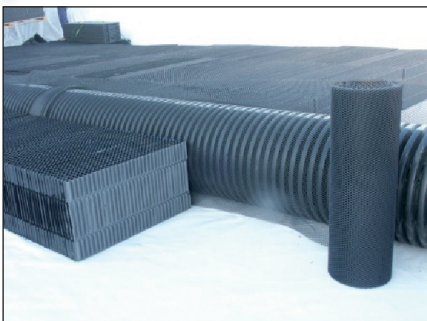
Installation details of the infiltration system



Our GEOlight® storage solutions are key elements in the management and control of stormwater for all kinds of sectors (industries, building and civil engineering or private constructions).

Drawing on its experience of almost 40 years in manufacturing honeycombed structures, our production plant has developed over the years to adapt to the needs of our customers and their markets.

Accumulated feedback from over 25 years



2013 - Reservoir under road structures Eure-et-Loir - 216 m³



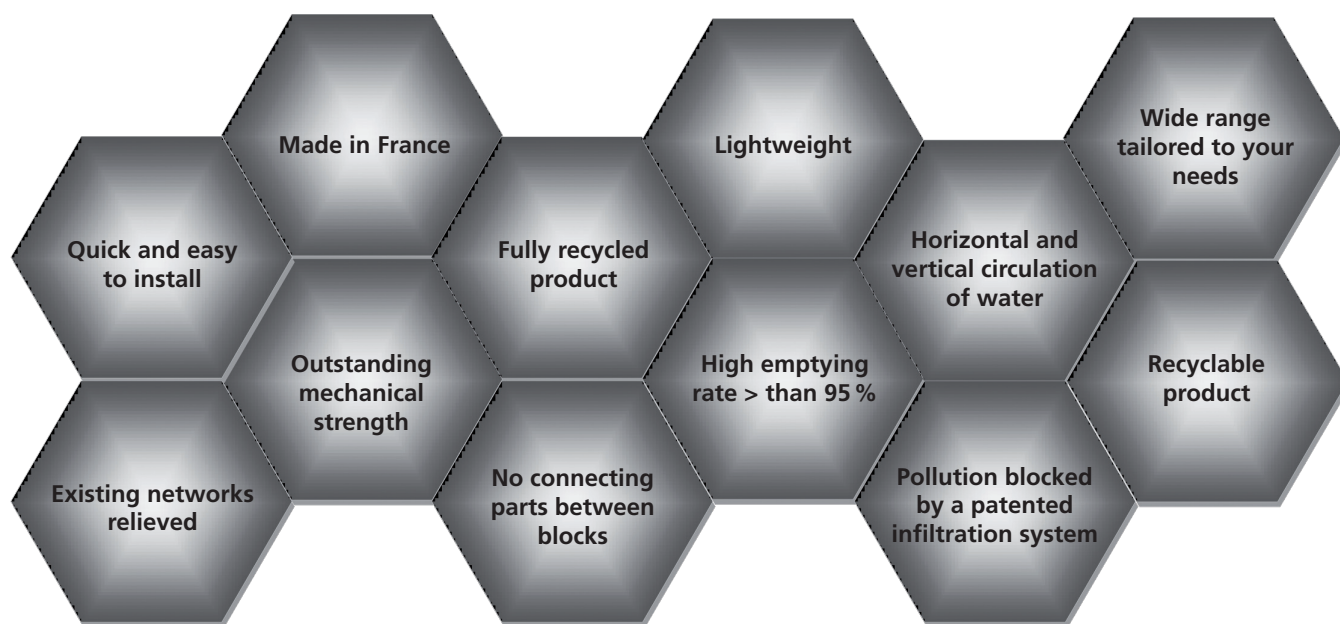
2006 - Reservoir under green spaces Cheddar (GB) - 3252 m³



1992 - Reservoir under tennis court Roland Garros Paris (75) - 260 m³

The advantages of GEOlight®

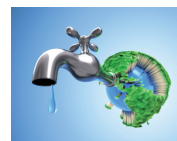
GEOlight®, millions of cells: as many advantages for underground reservoirs



Sustainable development player

For Hamon, sustainable development is at the heart of the company's decision-making. This is why the use of recycled plastics has become a priority to help protect the environment.

For example in 2014, the products manufactured at our plant enabled...



European player in recycling

To reinforce its position regarding environmental protection, Hamon is a stakeholder in the GREEN WASTE PLAST project, a European initiative that aims to improve the recycling of waste in France.



Water savings of 60,000 m³	CO2 emissions reduced by 12,000 Tonnes
Equivalent to the water consumption of a village of 675 inhabitants.	Equivalent to 8,000 urban cars that travel 15,000 km.



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