

## Recycled Concrete Blocks Help Build Veolia Recycling Centre



Stuart Gwilliam the Bidston Plant Manager said.

“We have been using the stackabloc blocks for some time now on site. We have dismantled and reconfigured them a few times. The blocks are very versatile. We use the Stackabloc because they are very robust and our plant does give them a hard time”

If you have a similar challenge to Stuart, Blocks Walls may have the solution.

Retaining Wall Solutions together with BlockWalls supports the circular economy by manufacturing concrete blocks from waste streams then using the blocks for segregation bays



Veolia is a global organisation employing 187,000 people across the world who are tasked with contributing directly to the sustainability performance of customers in the public and private sectors. In the UK Veolia provides a comprehensive range of waste, water and energy management services designed to build the circular economy and preserve scarce raw materials.

Retaining Wall Solutions in connection with BlockWalls is experimenting with a process to convert glass bottles into aggregate that can be used to manufacture concrete blocks. The idea is to use recycled glass from Veolia depots, turn it into aggregate and manufacture concrete segregation blocks that can be used within Veolia plants. This saves the waste going to landfill and uses the circular economy. A win-win for Veolia and Retaining Wall Solutions



## THE CHALLENGE



Each block saves 105kg of carbon due to using recycled material. This is equivalent to an average car journey of 262 miles

As a responsible employer Veolia endeavours to protect and care for the welfare and development of their employees so required a sustainable, practical and safe solution for their waste storage bays at the Bidston Recycling Centre on the Wirral. With a twenty-year Waste Management and Recycling Contract worth £640 million for Merseyside and the Halton region alone. The solution requires a block that is capable to withstand a relentless hammering of the heavy duty loaders that move waste materials from one area to another.

Retaining Wall Solutions support 2 of Veolia's Risk Management Values, namely:

- Striving for outstanding health and safety performance in the work place.
- Identifying and limiting industrial and environmental on-site risks.

## THE SOLUTION

Over 200 STACKABLOC blocks were delivered and installed in a LEGO style configuration saving valuable build time. Each block weighs over 1,000 KG and is made from eco-mix concrete consisting of 87% recycled materials. The interlocking design and overall weight of the blocks provide a robust and solid bay designed to take the constant impact and pressure exerted from heavy plant.

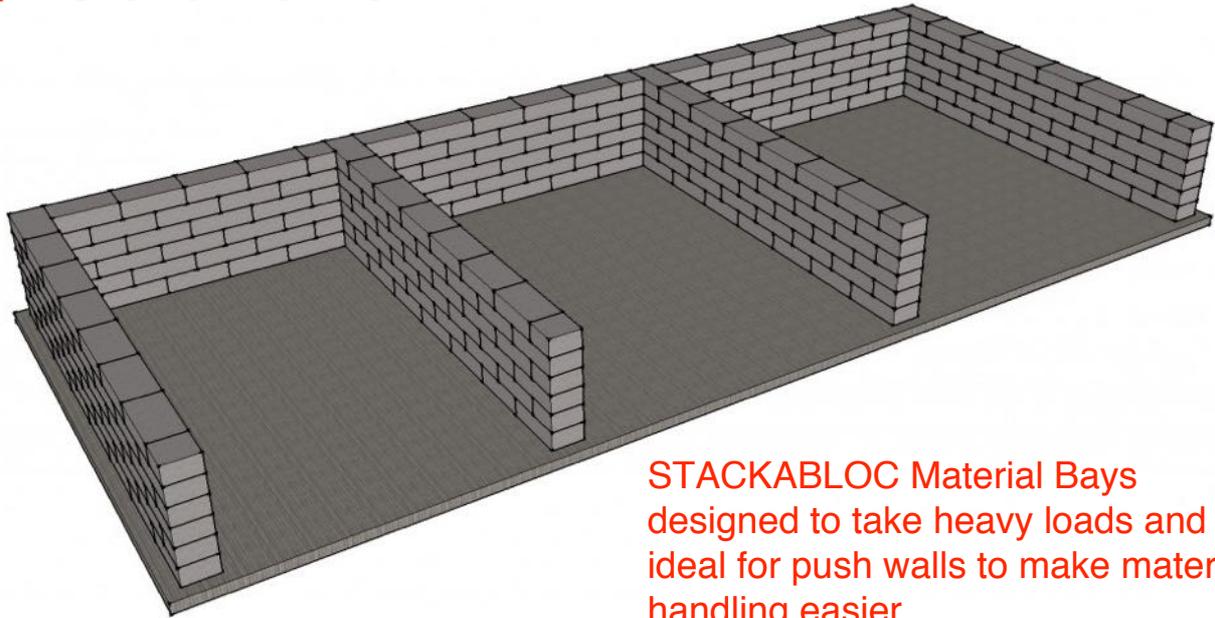
A hazardous working environment made safer using a our solution

We operate to ISO 9001 2008 quality standards

From a health and safety perspective the STACKABLOC bay has provided a solid and reliable solution, helping keep the site organised. Veolia Bidston's Manager of Operations Stuart Gwilliam commented "The solution has is a solid, robust and practical design that will sustain the daily pounding of over many tonnes of waste a day being unloaded, compacted and rotated and will last for years to come." He added "The simple interlocking design meant the heavyweight STACKABLOC's could be installed quickly and easily form a sturdy U shaped bay to store separated household waste."

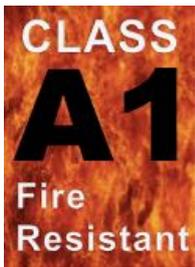


# Retaining Wall Solutions



**STACKABLOC Material Bays** designed to take heavy loads and ideal for push walls to make material handling easier

Our blocks have a class A1 fire rating giving fire protection when designed for fire segregation of apartments.



## OUR PEDIGREE

Working in partnership with recycling businesses.

We come from the recycling and civil engineering sectors and have invested in the development of advanced concrete technology.

The Waste (England and Wales) (Amendment) Regulations 2012, which became effective in January 2015 means recycling depots must ensure proper segregation of waste streams prior to treatment or disposal.

We are the ideal solution for waste management operators who are seeking cost effective solutions to properly manage their storage obligations.

## PRODUCTS

you can use our blocks for constructing:



Retaining walls



Fire Walls



Blast Walls



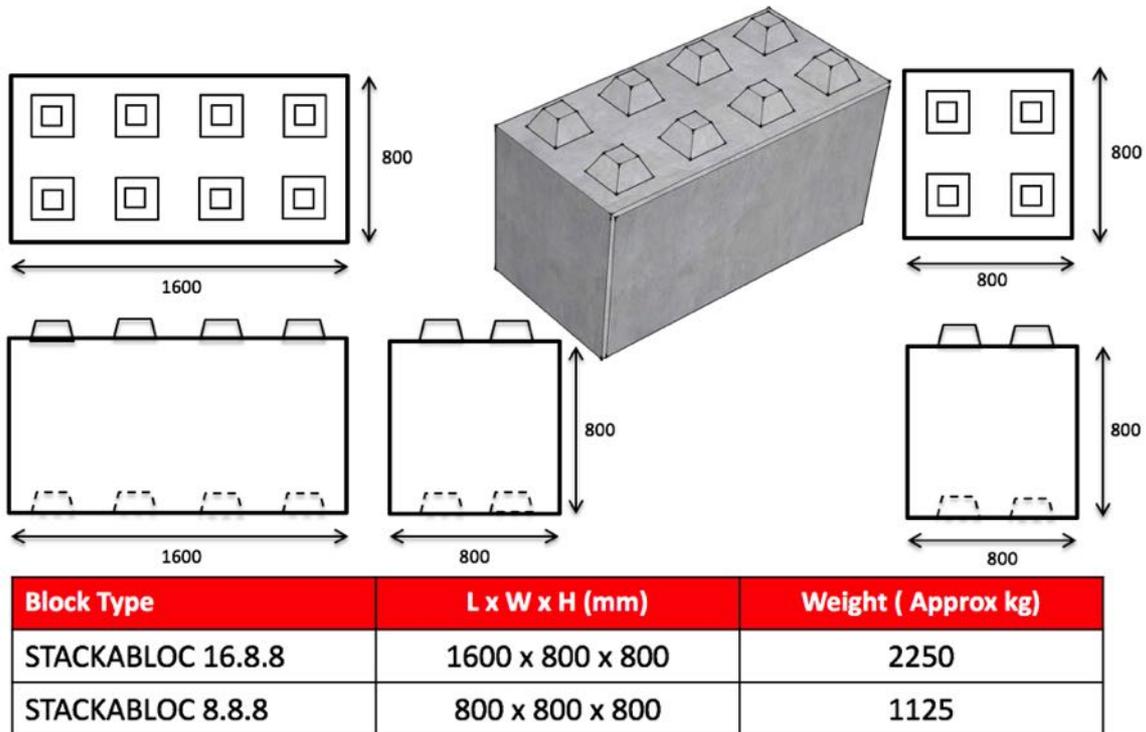
Bund Walls



Security Barriers

The list is almost endless, the only limit is your imagination.

Call **0151 428 9270** to order your blocks



## WHAT TO DO NEXT

You send us a basic description or drawing of the area you need to construct and a description of the operation. We will do the rest.

## WE MAKE BUYING SIMPLE

1. Our design team will establish which specification will best fit your environment and calculate the number of blocks required to do the job
2. We quote, you order, we make
3. We deliver

Call **0151 428 9270** to order your blocks