

6.2 Carpet Tiles / Floor Coverings

Items	Tonnes	Volume (M³)	Re-usability	Recycling
Floor Coverings	5.66	16.02	100%	
Total:	5.66	16.02	-	-

Flooring will be advertised by General Demolition Ltd. and priority will be offered to local charities and schools. All remaining items will be offered to partner on our supply chain for re-use on other projects.

Alternatively, Tarkett can collect used carpet tiles and other types of floor coverings which will be made into a new flooring product.

Carpet Tile Re-use / Recycling Partners

Business2Schools	https://www.business2schools.com
Envirocycle	https://envirocyclelondon.com
Tarkett	https://www.tarkett-group.com/en/
Milliken	https://www.milliken.com/en-gb
Carpet Recycling UK	https://carpetrecyclinguk.com
Interface	https://www.interface.com/GB/en-GB?r=1
Newgen Recycling	https://www.newgenrecycling.com
Powerday	https://powerday.co.uk

6.3 Gypsum / Plasterboard Products

Items	Tonnes	Volume (M³)	Re-usability	Recycling
Plasterboard	16.68	47.23		100%
Grand Total:	16.68	47.23	-	-

The paper from plasterboard products is removed from the gypsum product and then recycled.

The gypsum powder is ground down to create new products for the cement and plasterboard industry, and for agriculture.

All waste plasterboard is reprocessed to comply with PAS-109 specification to produce re-processed Gypsum.

Gypsum / Plasterboard Products Recycling / Waste Management Partners

➤ Newgen Recycling	https://www.newgenrecycling.com
➤ Powerday	https://powerday.co.uk

6.4 Timber

Items	Tonnes	Volume (M³)	Re-usability	Recycling
Timber	57.8	163.67	10%	90%
Total:	57.8	163.67	-	-

All timber from our projects is offered to non-profit social enterprises (Men's Sheds Association or Solo Wood (South London Wood Recycling Project).

Off cuts will also be re-used on-site to cover voids preventing injury

All remaining timber is sorted into grades, chipped, then supplied as a biomass fuel in the UK.

Timber Recycling / Waste Management Partners

➤ Newgen Recycling	https://www.newgenrecycling.com
➤ Powerday	https://powerday.co.uk
➤ Men's Sheds Association	https://menssheds.org.uk
➤ Community Wood Recycling	https://communitywoodrecycling.org.uk/our-story/
➤ Solo Wood Recycling	https://solowoodrecycling.co.uk/about/

6.5 Brick

Items	Tonnes	Volume (M³)	Re-usability	Recycling
Bricks	160.58	454.71	-	-
Total:	160.58	454.71		

All bricks and stone will be separated on-site and either retained on-site for re-use or taken off-site to be re-used on other projects.

Any bricks that cannot be re-used, it will be crushed on/off-site recycled in-order-to produce recycled aggregate (RA).

Reprocessing the crushed material for re-use on-site is the preferred method, as it will reduce CO₂ emission and congestion on local traffic networks. In addition, General Demolition Ltd. will ensure that full loads are collected and source, local waste management facilities in-order-to reduce our carbon footprint.

6.6 Stone

Items	Tonnes	Volume (M³)	Re-usability	Recycling
Marble tiles & frames	-	-	100%	
Total:	-	-	-	-

Brick / Stone Re-use Partners

British Stone Federation	https://www.stonefed.org.uk
Newgen Recycling	https://www.newgenrecycling.com
Powerday	https://powerday.co.uk

6.7 Concrete				
Items	Tonnes	Volume (M ³)	Re-usability	Recycling
Concrete	90.39	255.95		100%
Total:	90.39	255.95	-	-

Concrete waste is segregated and is either crushed on/off-site to create recycled secondary aggregate (RCA)¹. This is in accordance with the WRAP Quality Protocol for aggregates² for inert waste.

Reprocessing the crushed material for re-use on-site is the preferred method, as it will reduce CO₂ emission and congestion on local traffic networks. In addition, General Demolition Ltd. will ensure that full loads are collected and source, local waste management facilities in-order-to reduce our carbon footprint.

Concrete Recycling / Waste Management Partners	
➤ Newgen Recycling	https://www.newgenrecycling.com
➤ Powerday	https://powerday.co.uk

1. **Recycled concrete aggregate** – this is a result of processing inorganic material which was previously used in construction. This organic material principally consists of crushed concrete [BS 8500-1: 2002].
2. https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/296499/LIT_8709_c60600.pdf

6.8 Ceramics

Items	Tonnes	Volume (M³)	Re-usability	Recycling
Ceramics	3.44	9.74		100%
Total:	3.44	9.74	-	-

All ceramics will be separated on-site and either retained on-site for re-use or taken off-site to be re-used on other projects. It will be crushed on/off-site recycled in-order-to produce recycled aggregate (RA).

Reprocessing the crushed material for re-use on-site is the preferred method, as it will reduce CO₂ emission and congestion on local traffic networks. In addition, General Demolition Ltd. will ensure that full loads are collected and source, local waste management facilities in-order-to reduce our carbon footprint.

Ceramic Recycling / Waste Management Partners

 Newgen Recycling	https://www.newgenrecycling.com
 Powerday	https://powerday.co.uk

6.9 Glass

Items	Tonnes	Volume (M³)	Re-usability	Recycling
Glass	40.88	115.75		100%
Total:	40.88	115.75	-	-

Glass partitions to be offered to schools, charities, local businesses, and via our approved supply chain.

Any remaining glass will be taken to URM's glass recycling facility to be made into new product.

Glass Recycling / Waste Management Partner

 URM	https://www.urmgroupp.co.uk
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6.10 Insulation

Items	Tonnes	Volume (M³)	Re-usability	Recycling
Insulation	4.68	13.25		100%
Total:	4.68	13.25		100%

General Demolition Ltd. use reclamation and reprocessing takeback schemes. Incineration with energy recovery utilised as a secondary option.

Insulation Waste Management Partners

➤ Newgen Recycling	https://www.newgenrecycling.com
➤ Powerday	https://powerday.co.uk

6.11 WEEE (Waste Electrical and Electronic Equipment)

Items	Tonnes	Volume (M³)	Re-usability	Recycling
WEEE items	12.68	35.9	10%	90%
Total:	12.68	35.9	-	-

White goods/electrical will be advertised by General Demolition Ltd. and priority will be offered to local charities and schools. Fluorescent lighting will be offered utilising takeback schemes.

WEEE (Waste Electrical and Electronic Equipment)

Recolight	https://www.recolight.co.uk
➤ Newgen Recycling	https://www.newgenrecycling.com
➤ Powerday	https://powerday.co.uk

Key Demolition Product (KDP)

Bricks	Reclaimed damaged/un-usable bricks are crushed and recycled into a secondary aggregate (6F2 assumed).
Electrical	Segregated and stored with care, avoiding direct sun exposure for long periods and wet environments. Closed-loop recycling options are explored to promote re-use.
Floor Coverings	Segregated and stored with care, avoiding direct sun exposure for long periods and wet environments. Closed-loop recycling options include, working with our existing recycling partner who is a 'Carpet Recycling UK Member' to promote re-use.
Glass	Handle with care, segregate, and store in a safe cordoned off area. Glass partitions to be offered to local charities, local businesses, and schools via our supply chain. Adopting the Cradle-to-Cradle design / Circular Economy in our effort to support the Sustainable Development Goals (SDG). Used glass can be given a second life from closed loop systems to create new products.
Gypsum	Segregate and store with care, avoiding wet environments. All gypsum products are reprocessed to PAS-109 specification in-order-to make new gypsum products for the cement/plasterboard industry as-well-as for agricultural use.
Inert	Concrete, blockwork and mixed hardcore are crushed and recycled into a secondary aggregate (6F2 assumed).
Insulation	Segregated and stored with care, avoiding wet environments. Offered to the manufacturer through take-back scheme.
Mixed Metal	Segregated and stored with care, avoiding wet environments. All metal will be taken to the nearest metal recycling facility.
Mixed Refurbishment Waste	Segregate and store with care, avoiding wet environments.
Raised Access Flooring	Segregated and stored with care, avoiding direct sun exposure for long periods and wet environments. Closed-loop recycling options include working with our existing recycling partner to promote re-use.
Tiles & Ceramics	Handle with care and avoid construction site waste. Tiles and ceramics will be crushed and recycled into a secondary aggregate (6F2 assumed).
Timber	Segregate and store with care, avoiding wet environments. Re-used on/off-site (if in good condition) or recycled at a local facility.

At General Demolition Ltd., we are committed to more sustainable demolition services and 'Sustainable Development Goals (SDGs)' set out in the UN's 2030 Agenda for Sustainable Development. We recognise the importance of ending poverty and deprivation with strategies that improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working towards the preservation of our oceans and forests.

We take every effort to ensure that we are acting in the most environmentally responsible way throughout all our operations.

We recognise the importance of our role in reducing the impact we make on the environment both locally and globally. As a company, we have designed and implemented several initiatives to combat our carbon emissions, innovate our waste management processes and to always source supplies and suppliers locally wherever possible.

Our mission is to raise the standards of responsible demolition/enabling works, so that the actions we take today, build a better tomorrow.

Our values.

- **Progressive** – to strive for better.
- **Determined** – to lead by example.
- **Integrity** – to take responsibility.

Considered – to respect our people, clients, community, and environment, are visible in all that we do.

General Demolition Ltd. is guided by our ISO14001:2015 accreditation for environmental management. Which enables us to identify issues and improve our environmental performance through continual monitoring and support.

ISO14001:2015 Environmental Management System (EMS) is an integral part of our overall Integrated Management System (IMS).

General Demolition Ltd. are committed to the delivery of more sustainable demolition and enabling services and are proud that more than 98% of the waste removed from our sites are re-used within the build environment.

General Demolition Ltd. are on our sustainability journey, recognising the ongoing process of assessment, research, and strive for continual improvement.

We consider the immediate and ongoing effects that our processes might have on the environment and provide solutions to mitigate any adverse effects. We do this with the aim of securing a better, more sustainable environment for the enjoyment of future generations.

We are committed to reducing our carbon footprint. To achieve this, we have set annual reduction targets at 6% to ensure we meet a 50% reduction by the year 2030.

The ways in which we lower our carbon emissions is through utilising suppliers and facilities that are located within close proximity to the project, reducing the distance travelled by our vehicles. This enables General Demolition Ltd. to support local businesses and labour supplies through economic contribution.

We will assess the environment in which we are working in, and act responsibly for the protection of fauna and flora. We are implementing a Carbon Reduction Plan to ensure that we are in line with global commitments to achieve Net Zero carbon emissions by 2030.

We review our 'Carbon footprint' regularly and investigate alternative methods of reducing and offsetting our carbon emissions.

Through our management we:

- Manage the operation to minimise waste and avoid pollution to air and water in accordance with Environment Agency best practice guidelines.
- Set targets for reduction of waste to landfill and increase recycling.
- Establish a good neighbour policy and to implement an active communication strategy with stakeholders.
- Achieve consistently high scores under the Considerate Constructor Scheme (CCS).
- Select materials of low intrinsic environmental impact and low cost in use.
- Encourage the use of recycled aggregates in preference to virgin aggregate when these can be sourced within a sustainable distance.
- Protect, preserve, and enhance existing ecology.
- Consult with users and other stakeholders to establish the detailed brief for the buildings and their removal.
- Encourage a review of transport policy for staff, to encourage the use of alternatives to private car use.
- Recycled materials, landfill, and hazardous waste

The systematic approach General Demolition Ltd. implement during the strip-out and demolition process are key to the achievement of excellent sustainability levels throughout the lifecycle of our projects.

General Demolition Ltd. operates its own recycling facility which is situated in Walton-on-Thames. As well as through longstanding relationships with local waste re-use and recycling partners, enables us to operate at the forefront of sustainable delivery.

The pre-planned soft strip dismantling process that we implement, allows for the separation of materials into alternative waste streams at source. Removing the requirement for the re-sorting or need of further waste management at a later stage of the recycling process.

It is our key objective to provide sustainable value and to ensure that all waste materials are correctly categorised, and that General Demolition Ltd.'s carbon output is minimised.

General Demolition Ltd. aims for 100% recyclability on all its projects and takes pride in avoiding landfill, for all non-hazardous material.

Hazardous waste material is always handled in a responsible manner by licensed specialists and taken to an appropriate facility for disposal.

Through ongoing professional training and diligent management, our operatives are fully aware of and subscribe to the core values that General Demolition Ltd. upholds in its approach to sustainability and recycling.

Environmental training courses offered by the BRE Academy are encouraged across our site teams to enhance their knowledge and awareness.

Each secured project will be subject to a WST01-pre-demolition/refurbishment audit (SWMP), which is carried out at part of the pre-start activities. This will be created in-line with the BREEAM requirements provided for the redevelopment scheme.

As part of General Demolition Ltd.'s commitment to BREEAM and ISO14001:2015 Environmental Standard, a WST01-pre-demolition/refurbishment audit is undertaken prior to commencement of all projects in-order-to identify opportunities to "re-home" any items including (desks, chairs, blinds, cupboards, IT equipment, etc.) which can be re-purposed and to avoid landfill.

7.0

The Circular Economy and Social Value

7.1 Circular Economy and Social Value

7.2 Duty of Care

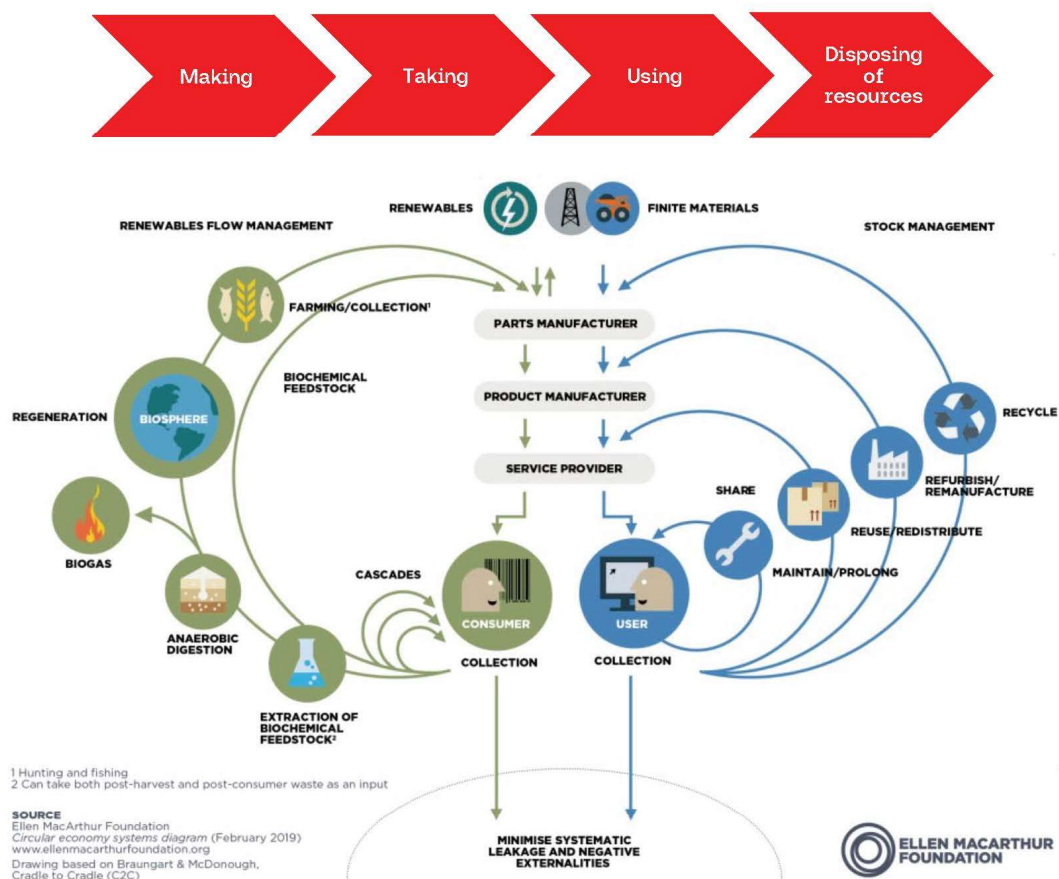
↗ Enabling the future

↘ www.General-Demolition.co.uk

As described by The Ellen MacArthur Foundation. The Circular Economy is defined as an economic system which is based on the principles of designing out waste and pollution, ensuring that products and materials remain in use enabling natural systems to regenerate.

Through a concerted focus on design, the concept of waste can be eradicated.

The below graph exhibits the current system of:



Sustainability Approach 

General Demolition Ltd. is fully committed to the three principals of the Circular Economy which are:

- Eliminate waste and pollution
- Circulate products and materials
- Regenerate nature



Sustainability Approach 



Circular Economy & Social Value

“We take sustainability very seriously and our environmental resource park helps us achieve very high recyclability rates”

When you work with General Demolition, you are making a conscious decision to work with a company that values the impact that it makes on the environment.

Our bespoke waste management solutions are designed to support circular economy and are built into our plans for every enabling works projects that we undertake and deliver.

Moral and social responsibility in all aspects drives our success in complex operations.

Our team of dedicated enabling works specialists are committed to finding the most sustainable way to deliver on demolition and enabling works.



Sustainability Approach 



Circular Economy & Social Value

At General Demolition, we target our waste management process to support the circular economy.

We extract and crush concrete and other materials to create aggregates that can be redistributed and used within the construction industry.

We also have a dedicated team that specialise in reclaimed bricks that have been saved from landfill for use in future developments.

Construction and demolition waste is said to contribute to a third of overall landfill waste. We are constantly scrutinising our waste management process and work to support the circular economy. We avoid sending demolition waste to landfill through re-use and recycle initiatives.

Across our strip-out/enabling works, we collaborate with charities, schools and the local community to re-home any items remaining on site that have not met their economical lifespan.

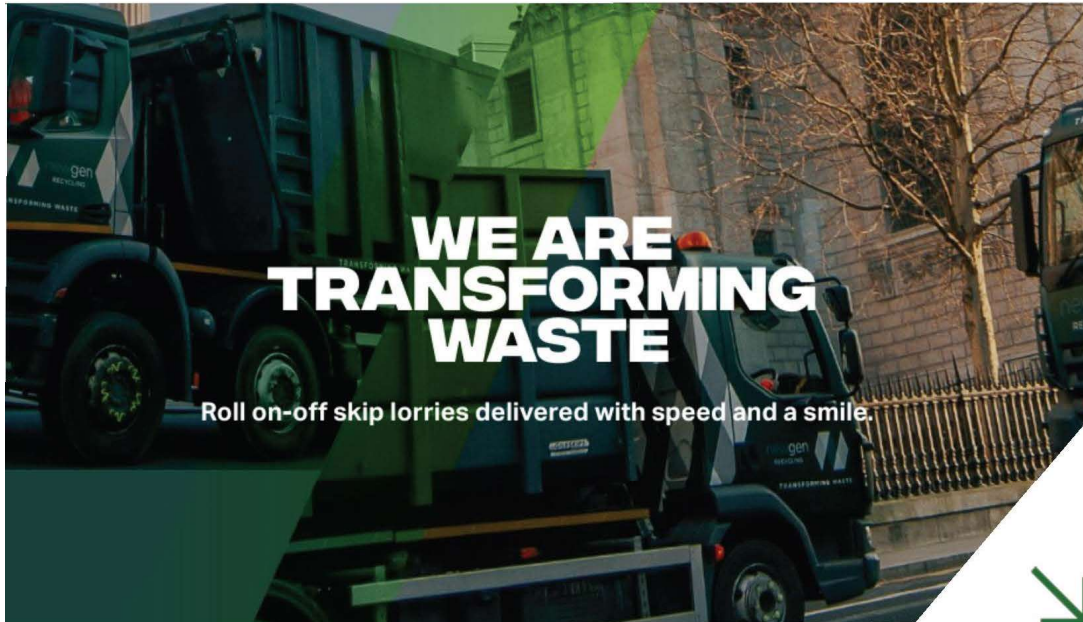
Desks, chairs, tables and computers are distributed to schools and local businesses within a 5-mile radius of our projects. Accelerating the change to sustainable demolition

Demolition and construction waste has been recorded as a big global contributor to waste to landfill sites.

At General Demolition Ltd., we take recycling very seriously and we use our own environmental resource park to ensure that we always achieve between 95-100% recyclability rates across our projects.

➤ Enabling the future

Sustainability Approach ➤



Circular Economy & Social Value

Newgen Recycling

General Demolition Ltd. have a long-standing relationship and have worked in partnership with Newgen Recycling for many years.

Newgen Recycling offer a modern approach to waste management and understand our requirement for cost effective and environmentally friendly waste management.

Newgen Recycling operate from a fully licensed waste transfer facility located in Walton-on-Thames. Newgen Recycling are able to process 50,000 tonnes of waste annually.

All waste materials are:

- Segregated into waste streams
- Weighed, assessed and categorised upon delivery
- Scrutinised for the opportunity to re-use
- Newgen Recycling will utilise the nearest recycling facility to the site to reduce time, cost and its carbon footprint

Opportunities for saving include:

- Distance travelled
- Transportation costs
- Fuel consumption
- CO₂ emission



➤ Enabling the future

Sustainability Approach ➤



Circular Economy & Social Value

European Metal Recycling (EMR)

General Demolition Ltd. have a long-standing relationship and have worked with EMR for many years.

EMR is a member of the UK's Council for Sustainable Business (CSB), which advises Defra Ministers and policy teams on the role.

EMR operate at the forefront of sustainable metal recycling, from ferrous and non-ferrous metals to plastics.

EMR helps industries save more than 9,300,000 metric tonnes of carbon-dioxide annually. Which equates to 17 metric tonnes every minute of every day.

EMR operates advanced plant and equipment technology, producing the highest quality end products, whilst operating at maximum efficiency with minimal emissions

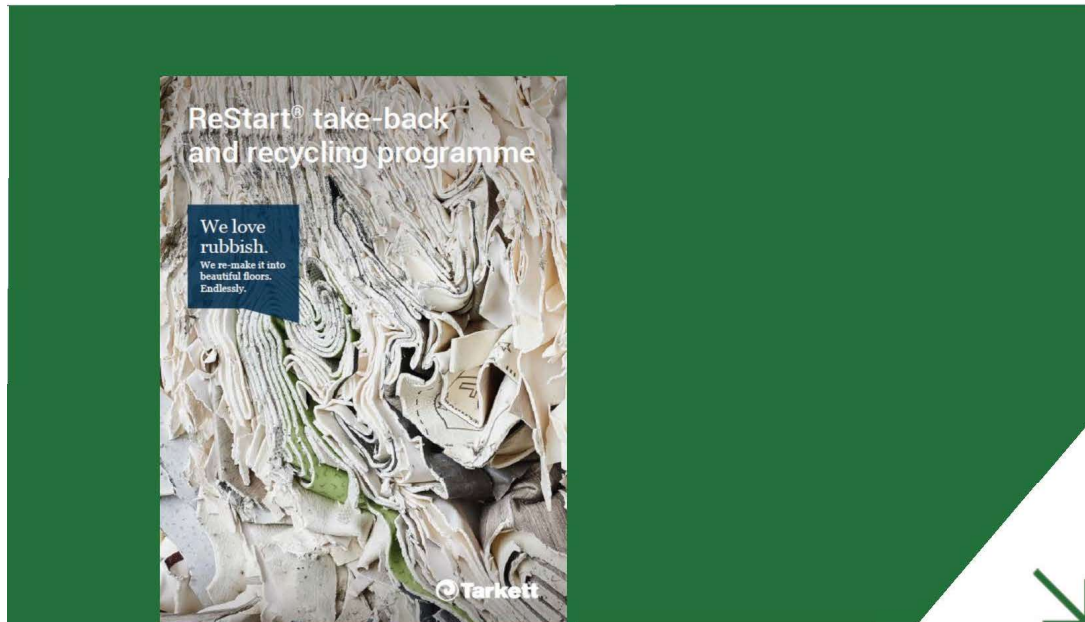
Opportunities for saving include:

- Distance travelled
- Transportation costs
- Fuel consumption
- CO₂ emission



➤ Enabling the future

Sustainability Approach ➤



Circular Economy & Social Value

Tarkett

General Demolition Ltd also partners with the “Tarkett ReStart take-back and recycling programme”.

Tarkett ReStart’s service offers the opportunity to transform old carpet tiles from our sites into new sustainable carpet tiles.

Adopting the Cradle-to-Cradle design / Circular Economy in efforts to support the Sustainable Development Goals (SDG).

Opportunities for saving include:

- Distance travelled
- Transportation costs
- Fuel consumption
- CO₂ emission





Circular Economy & Social Value

Raised Modular Flooring (RMF)

RMF have formed a key part of the circular economy via their initiatives in their re-use and recycling of raised access flooring panels.

UKGBC contacted RMF to form part of their industry expert panel to form new guidance around the re-use of materials and materials as a service.

RMF have a 'Total Take Back' scheme, which offers to take back all flooring panels and pedestals from any manufacturer for full recycling back to their core components.

RMF hold an 'Environmental Product Declaration (EPD)' for re-use raised access flooring. This is a ISO recognised standard that is internationally recognised, which can assist with uplifting points under BREEAM, WELL, SKA and other 'gold standards'.

Opportunities for saving include:

- Time
- Distance travelled
- Transportation costs
- Fuel consumption
- CO₂ emission
- Water
- Energy





Circular Economy & Social Value

Powerday

All waste delivered to Powerday's recycling facility is

100% recycled.

Waste Management

Powerday provides material processing which can be tracked from collection to the end destination. Waste categories accepted includes:

- Metal
- Plasterboard / Gypsum
- Wood
- Plastic
- Aggregates / Concrete
- Demolition waste

Opportunities for saving include:

- Distance travelled
- Transportation costs
- Fuel consumption
- CO₂ emission



➤ Enabling the future

Sustainability Approach ➤



Circular Economy & Social Value

Envirocycle London Ltd.

Accredited by the the Environment Agency with an upper tier waste carriers' licence.

Envirocycle are a Carpet Recycling UK Member

Recovering used carpet tiles for sustainable re-use

Material Processing

Envirocycle recovers carpet value from diverting post consumer carpet tiles from landfill to re-use.

Post recovery, carpet tiles are supplied to:

- Charities
- Schools
- Local businesses
- Local authorities

Opportunities for saving include:

- Distance travelled
- Transportation costs
- Fuel consumption
- CO₂ emission



➤ Enabling the future

Sustainability Approach ➤



Circular Economy & Social Value

URM

URM have pioneered new methods of treatment to ensure that glass is given a useful second life



Material Processing

Glass is 100% recyclable.

All glass products that are taken to URM's facility is recycled to create new products such as:

- Mirrors
- Windows
- Wind-screens

Opportunities for saving include:

- Distance travelled
- Transportation costs
- Fuel consumption
- CO₂ emission
- Reduces glass waste disposal cost



➤ Enabling the future

Sustainability Approach ➤



By donating your unwanted office furniture and tech through the **Business2Schools charity** we are able to make state schools in the UK an even better experience for children and students.

If we help improve the infrastructure in schools, provide them with faster computers and help create a more aspirational environment, our children will be inspired.

If we are more ethical about recycling our children will benefit.

Together we can provide a brighter future for children in all our schools.



Circular Economy & Social Value

Business2Schools and freecycle.org

“Business2Schools” who have a vast network of over 10,000 charities and local schools

and

“freecycle.org”, who offer equipment and furniture to local communities

During the pre-start activities a site asset register is created.

General Demolition’s sustainability team will work together with interested local charities, schools, and small local businesses and local individuals to re-home the items identified within the asset register.

Our site management team, will ensure that the requested items are segregated and stored ready for collection.

Opportunities for saving include:

- Distance travelled
- Transportation costs
- Fuel consumption
- CO₂ emission



8.0

Approach to Sustainability

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Approach to Sustainability

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➤ Enabling the future

Sustainability Approach ➤



Approach To Sustainability

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We are committed to reducing our carbon footprint. To achieve this, we have set annual reduction targets at 6% to ensure we meet a 50% reduction by the year 2030.

Ways in which we lower our carbon emissions is through utilising suppliers and facilities that are located within close proximity to the project, reducing the distance travelled by our vehicles. This also enables General Demolition Ltd. to support local businesses and labour supplies through economic contribution



➤ Enabling the future

Sustainability Approach ➤