



Newton Membrane Recycling Service

2017 RECYCLING REPORT



IN 2017 WE
RECYCLED
3.255
TONNES OF
MEMBRANE



THIS EQUATES TO
114
BAGS OF WASTE
MEMBRANE OFFCUTS



AT AN AVERAGE
OF APPROXIMATELY
28.55
KILOGRAMS
PER BAG



THIS AVOIDED THE
PRODUCTION OF
3.74
TONNES OF
CARBON DIOXIDE¹



EQUIVALENT
TO OVER
14,616
KILOWATT HOURS
OF ENERGY



WHICH WOULD BE
ENOUGH ENERGY
TO MAKE
519,690
MUGS OF TEA

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SUMMARY

The Newton Membrane Recycling Service became the very first recycling scheme of its kind in the UK waterproofing industry when it was launched in September 2017. This launch followed 2 years of development of the necessary logistical arrangements, as well as an initial trial period from April through to September 2017 with a select few of Newton's nationwide network of Specialist Basement Contractors.

The Newton Membrane Recycling Service was developed as a direct response to the chronic lack of such schemes in UK waterproofing. Cavity drainage membranes are designed to last for the lifetime of the building in which they are installed, however approximately 10% of membrane goes to waste in the form of off-cuts, and every year the UK waterproofing industry sends hundreds of tonnes of these unusable off-cuts of membrane to landfill, as there was previously no service capable of collecting and recycling the material.

Newton worked closely with, and as members of, non-profit recycling organisation RECOUP in order to implement the closed-loop recycling process, which is available purely through Newton Specialist Basement Contractors (NSBCs).

The service collects waste membrane on delivery backloads and processes it at Newton's Kent headquarters, before sending it for recycling with Biffa Polymers, where it is prepared for manufacturing into new products for the construction industry. A video introducing the full process can be viewed on [YouTube](#).

TOTAL MEMBRANE RECYCLING 2017

MONTH	NSBCS	BAGS	AVERAGE WEIGHT (kg)	TOTAL (kg)	EMISSIONS AVOIDED ¹ (kgCO ₂ e)
March	1	2	29.50	59	67.79
April	2	8	56.25	450	517.05
May	3	7	25.86	181	207.97
June	3	12	30.75	369	423.98
July	5	19	29.42	559	642.29
August	1	7	30.00	210	241.29
September	4	17	30.24	514	590.59
October	2	17	25.24	429	492.92
November	5	15	17.73	266	305.63
December	2	10	21.80	218	250.48
				3,255	

NEWTON MEMBRANE RECYCLING

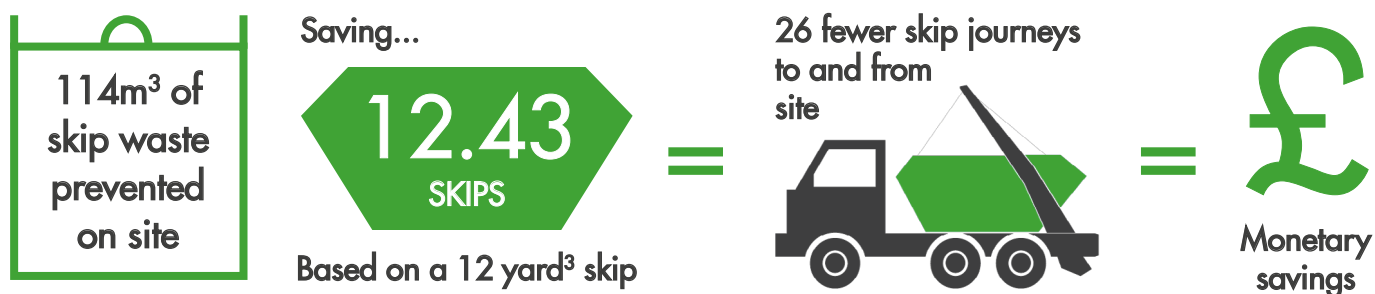
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EMISSIONS AVOIDED

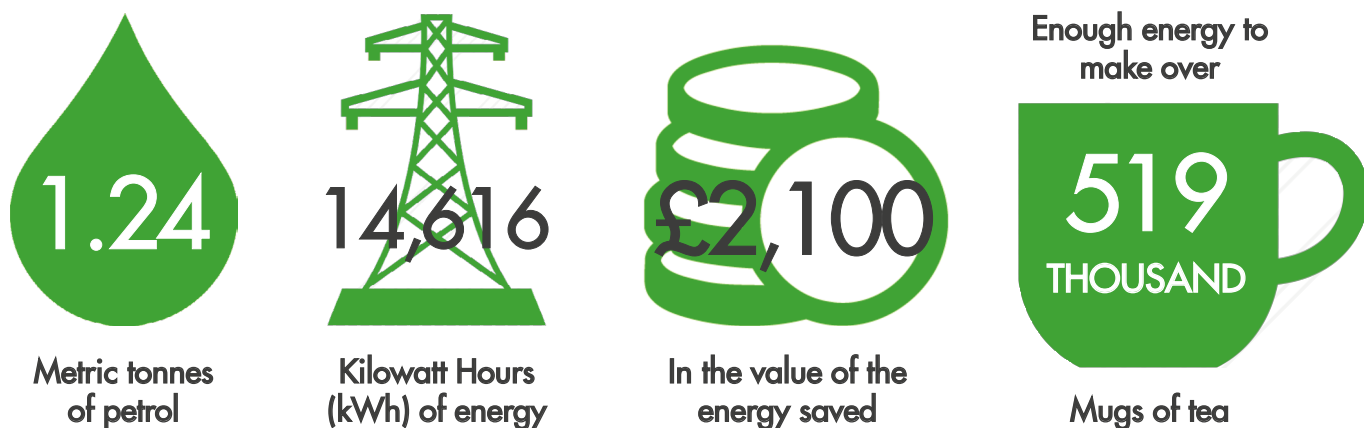


TRANSPORT SAVINGS



ENERGY SAVINGS

The 3.74 tonnes of CO₂e prevented by Newton in 2017 can also be equated to:



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NSBC 2017 RECYCLING LEAGUE TABLE

NO	NEWTON SPECIALIST BASEMENT CONTRACTOR	MONTH JOINED	BAGS	AVERAGE WEIGHT	TOTAL (kg)	EMISSIONS AVOIDED ¹ (kgCO ₂ e)
1	Specialist Contractor 1	March	73	28.55	2,084	2,394.52
2	Specialist Contractor 2	April	14	46.00	644	739.96
3	Specialist Contractor 3	May	15	17.93	269	309.08
4	Specialist Contractor 4	May	3	32.67	98	112.60
5	Specialist Contractor 5	May	6	15.50	93	106.86
6	Specialist Contractor 6	Sept.	3	16.00	48	55.15
7	Specialist Contractor 7	July	1	19.00	19	21.83

TESTIMONIALS



"Environmental issues are increasingly in the spotlight. The plastic and construction industries are under more pressure than ever before to do the right thing in terms of the environment. This innovative new service from Newton provides lots of businesses with the chance to recycle their plastics, and actually it's a game-changing service that will allow a transparent and certifiable option to recycle their plastic membranes."

Stuart Foster, Chief Executive Officer, RECOUP



"When we're looking to deliver a building we're trying to make it as sustainable and energy efficient as we possibly can. These elements that you don't necessarily think about being environmental factors; the lifecycle of the products and how that contributes to the whole process, if you've got two products that are comparable and if one of them has got a recycling scheme like the Newton scheme, then obviously it's a bit of a no-brainer."

Matthew Edwards, Associate Director, HGP Architects



"As a leading UK polymer recycling facility, Biffa Polymers is delighted to be able to provide a recycling outlet for the Newton Membrane Recycling Service. We fully endorse and support the ground breaking efforts of independent suppliers such as Newton Waterproofing Systems to recover more quality plastics for recycling. We are pleased to help in improving on the environmental performance of both the waterproofing industry and the wider construction industry."

Chris Hanlon, Commercial Manager, Biffa Polymers

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GET INVOLVED

If you have a project on which you would like to use the Membrane Recycling Service, the scheme is available on Newton's cavity drainage membrane products, and only via Newton's nationwide network of Specialist Basement Contractors (NSBCs).

To get a list of NSBCs in your area who can provide the service, contact Newton directly and we will provide you with a list of companies in the area of your project.

RECYCLED MEMBRANES

If you are looking for responsibly sourced products for your project/s then Newton are also the only suppliers in the UK with two BBA-certified and 100% recycled HDPE cavity drainage membranes.

For more information on [Newton 508 eco Floor](#) and [Newton 520 eco](#), please refer to the Newton website.

REFERENCES

1. Turner, D.A., Williams, I.D. and Kemp, S. (2015) Greenhouse gas emission factors for recycling of source-segregated waste materials Resources, Conservation and Recycling, 105, (Part A), pp. 186-197.