



JN[®] NEWTON
WATERPROOFING

2018 RECYCLING REPORT



IN 2018 WE
RECYCLED
5.275
TONNES OF
MEMBRANE



THIS EQUATES TO

231

BAGS OF WASTE
MEMBRANE OFFCUTS



AT AN AVERAGE
OF APPROXIMATELY

25.18
KILOGRAMS
PER BAG



THIS AVOIDED THE
PRODUCTION OF

6.06

TONNES OF
CARBON DIOXIDE¹



EQUIVALENT
TO OVER
23,690
KILOWATT HOURS
OF ENERGY



WHICH WOULD BE
ENOUGH ENERGY
TO MAKE
842,328
MUGS OF TEA

NEWTON MEMBRANE RECYCLING

2018 Recycling Report



In 2017 the Newton Membrane Recycling Service became the first scheme of its kind in the UK waterproofing industry to collect and recycle waste HDPE membrane from active projects. The service is only available via Newton Specialist Contractors, and in 2018 we set ourselves a target of 5 tonnes of recycling.

The service was developed as a direct response to the complete lack of any such schemes in the UK, which resulted in the waterproofing industry sending hundreds of tonnes of HDPE membrane waste to landfill each year, as there was no alternative solution.

By collecting waste HDPE on delivery back-loads, the service avoids creating additional carbon emissions. After collection the HDPE is processed at Newton's Kent headquarters, before being sent 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](#).

"When we deliver a building we're trying to make it as sustainable and energy efficient as we can. If you've got two products that are comparable and one of them has a recycling scheme like Newton's, then obviously it's a bit of a no-brainer."

Matthew Edwards, Associate Director, HGP Architects

HGP
ARCHITECTS

TOTAL MEMBRANE RECYCLING 2018

MONTH	NSBCS	BAGS	AVERAGE WEIGHT (kg)	TOTAL (kg)	EMISSIONS AVOIDED ¹ (kgCO ₂ e)
January	5	10	21.00	210	241.29
February	5	21	27.33	574	659.53
March	5	18	17.83	321	368.83
April	7	29	23.59	684	785.92
May	7	16	26.75	428	491.77
June	5	26	23.46	610	700.89
July	3	10	24.00	240	275.76
August	6	39	19.54	762	875.54
September	2	12	23.67	284	326.32
October	4	19	20.16	383	440.07
November	4	19	25.58	486	558.41
December	3	12	24.42	293	336.66
5.275 tonnes					6.061 tonnes

NEWTON MEMBRANE RECYCLING

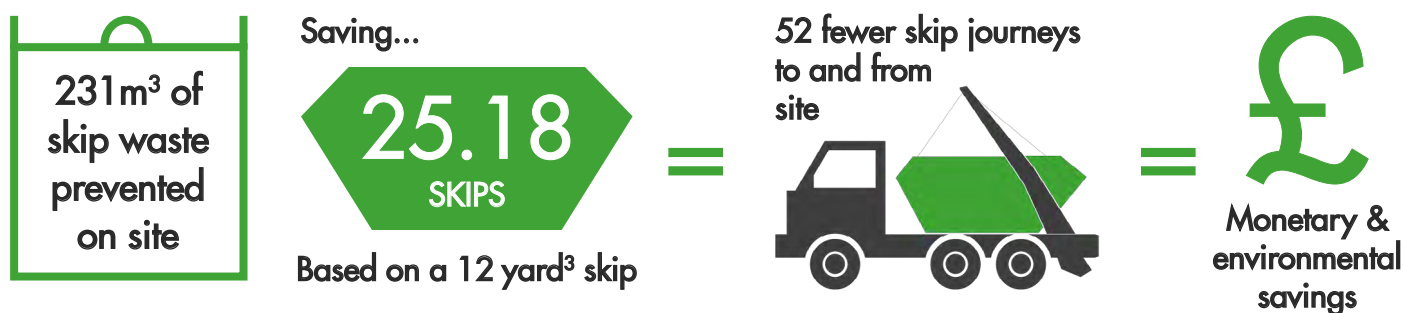
2018 Recycling Report



EMISSIONS AVOIDED

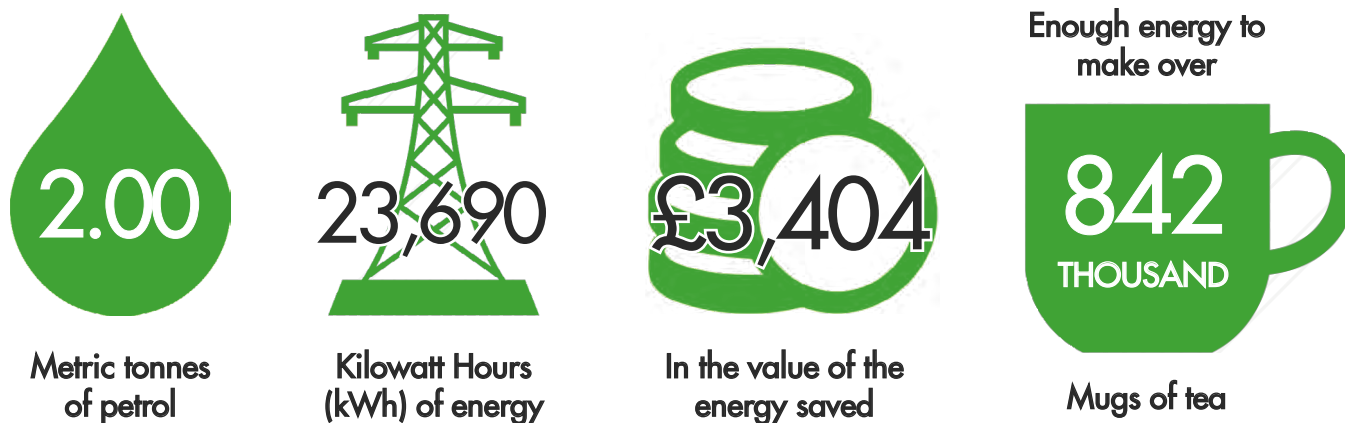


TRANSPORT SAVINGS



ENERGY SAVINGS

The 6.06 tonnes of CO₂e prevented by Newton in 2018 can also be equated to:



"As a leading UK recycling facility, Biffa Polymers fully support Newton's ground breaking recycling efforts. We are pleased to help improve the environmental performance of the waterproofing and construction industries."

Chris Hanlon, Commercial Manager, Biffa Polymers

Biffa

NEWTON MEMBRANE RECYCLING

2018 Recycling Report



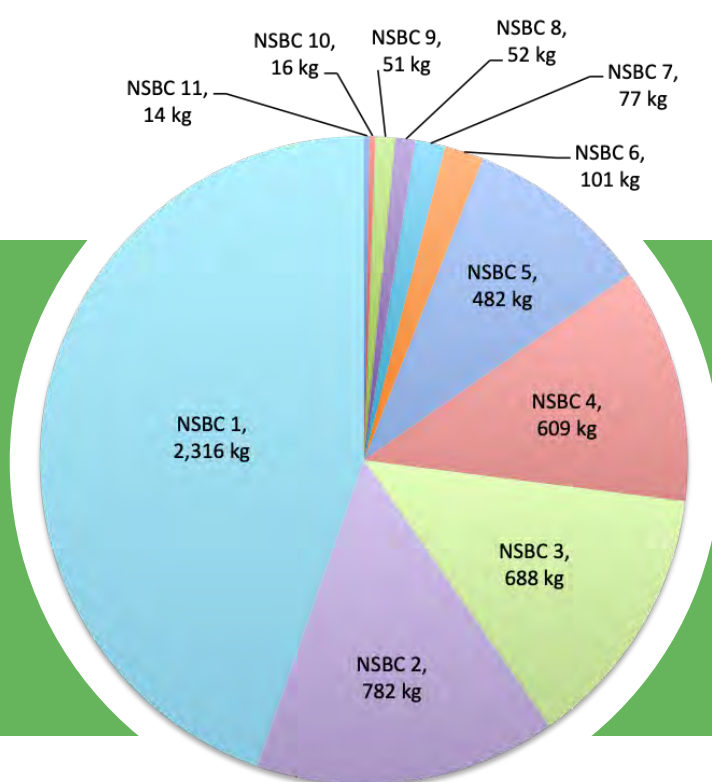
NSBC 2018 RECYCLING LEAGUE TABLE

NO	NEWTON SPECIALIST BASEMENT CONTRACTOR	BAGS	AVERAGE WEIGHT	TOTAL (kg)	EMISSIONS AVOIDED ¹ (kgCO ₂ e)
1	Specialist Contractor 1	95	24.38	2,316	10,401.35
2	Specialist Contractor 2	26	30.08	782	3,512.03
3	Specialist Contractor 3	35	19.66	688	3,089.87
4	Specialist Contractor 4	30	20.30	609	2,735.07
5	Specialist Contractor 5	14	34.43	482	2,164.70
6	Specialist Contractor 6	5	20.20	101	453.60
7	Specialist Contractor 7	5	15.4	77	345.81
8	Specialist Contractor 8	8	6.5	52	233.54
9	Specialist Contractor 9	2	25.5	51	229.05
10	Specialist Contractor 10	1	16	16	71.86
11	Specialist Contractor 11	1	14	14	62.88



"Environmental issues are increasingly in the spotlight. The plastic and construction industries are under more pressure than ever before to do the right thing. 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



NEWTON MEMBRANE RECYCLING

2018 Recycling Report



RECYCLED PRODUCTS

If you are looking for responsibly sourced products then Newton are not only the only UK waterproofing suppliers with two HDPE cavity drainage membranes that are 100% recycled and BBA-certified, but we are also the only UK waterproofing suppliers who can provide specifiers with tangible data on the environmental savings that are achieved by specifying our recycled products¹.

Firstly, both [Newton 508 eco Floor](#) and [Newton 520 eco](#) are manufactured from 100% recycled HDPE, and approved by the BBA with independent, third-party test data. Secondly, the two key components of the Newton drainage system; [Newton Basedrain](#) and [Floordrain](#) are manufactured from 100% recycled PVC.

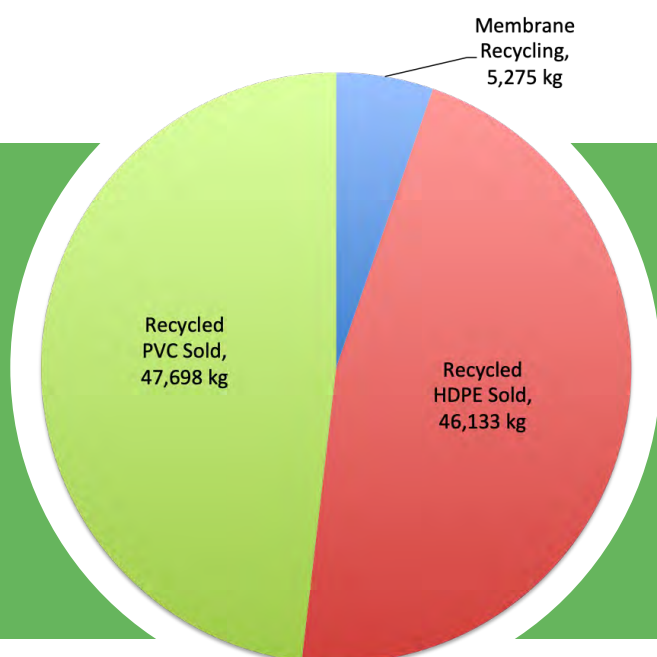
Overall, this resulted in the following recycling data during 2018:

PRODUCT	WEIGHT (KG)	EMISSIONS AVOIDED ¹ (kgCO ₂ e)	ENERGY SAVED (kWh)	VALUE OF ENERGY	MUGS OF TEA
Newton Basedrain	36,439.16	56,444.26	220,623.15	£31,703.55	7,844,379
Newton Floordrain	11,258.60	17,439.57	68,165.89	£9,795.44	2,423,676
Newton 508 eco Floor	23,625.00	27,145.13	106,101.90	£15,246.84	3,772,512
Newton 520 eco	22,507.65	25,861.29	101,083.78	£14,525.74	3,594,090
TOTAL	93,830.41	126,890.25	495,974.71	£71,271.57	17,634,656

RECYCLING BREAKDOWN

When the membrane recycling service figures are combined with those for the recycled HDPE and PVC products during 2018, the total figures are pretty impressive:

- **99.11 tonnes** of material
- **132.95 tonnes** of CO₂e emissions prevented
- **519,665 Kilowatt Hours** of energy saved
- Energy with a value of **£74,675.89**
- Enough energy for **18,476,984 mugs of tea!**





FUTURE RECYCLING TARGETS

Newton is committed to tackling the waste that is produced as a by-product of the waterproofing and construction industries, and we aim to approach this in two ways:

1. Firstly, by reducing our own plastic packaging waste by 50% by the end of 2021
2. Secondly, through continued investment in and expansion of the Newton Recycling Service, with which we aim to have recycled over 20 tonnes of HDPE membrane by 2021. So far the recycling service has recycled a total of 8.53 tonnes of HDPE.

In order to reduce our own plastic packaging waste we are already recycling all waste plastic from both our warehouse and office facilities at our headquarters in Tonbridge, Kent. To hit our 50% reduction target however, we will be working directly and closely with our suppliers throughout the UK and Europe to reduce the amount of single-use plastic that is used in our product and delivery packaging.

Next, in order to hit our Newton Recycling Service target we will primarily be seeking to increase the number of external stakeholders. Out of the 40 member companies of the Newton Specialist Contractor network across the UK, the 2018 recycling figures were achieved via contributions from just 11 of these companies. Newton will be working closely with all NSBCs in order to increase this number.

Finally, we will be actively seeking to expand the Newton Recycling Service to include the plastic containers and buckets in which Newton's liquid products are stored and distributed. We estimate that over 7,000 such containers, which are a mixture of polyethylene and polypropylene, are sent out by Newton each year, and the company will be working with potential new reprocessors to include this packaging in the recycling service.

GET INVOLVED

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

To get a list of NSBCs in your area who can provide the service, please [contact the Newton team](#) directly and we will provide you with a list of companies in the area of your project.

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.



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