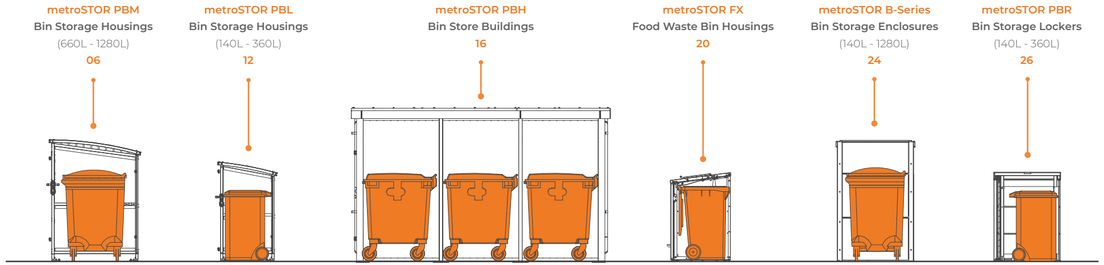
metroSTOR®

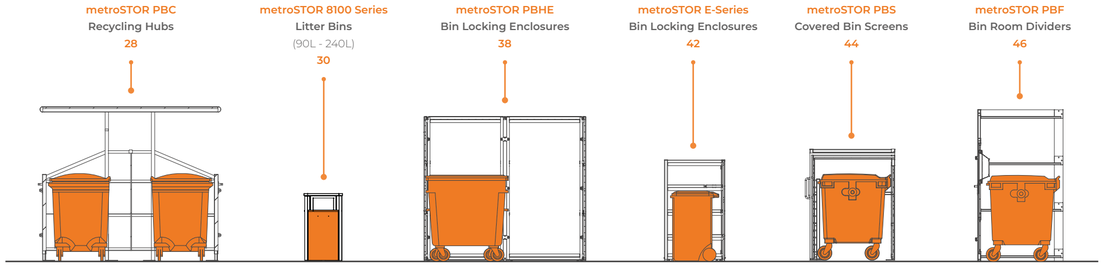
Safer Neighbourhoods. Cleaner World

2025 Bin Storage Product Range

Quarter 2. 2025

Contents





metroSTOR Bin Stores

metroSTOR waste and recycling storage solutions are an essential tool in the management of waste-streams, helping to increase recycling successes while reducing associated fire risk, litter, fly-tipping and antisocial behaviour.

Bin stores have historically been located out of the general line of sight, and therefore tend to attract crime and antisocial behaviour. metroSTOR bin stores can be located in prominent positions without unacceptable visual impact or fire risk, creating a facility where users can feel safe.

An essential reduction in fire risk is achieved with metroSTOR products that are designed to secure waste and recycling bins away from dwellings, ensuring that fire is contained in the event of a bin being set alight. Wheelie bin storage solutions are available in a range of enclosed storage units, recycling centres and bin room buildings.

Waste and Recycling Bin Storage Solutions
Safe and easy disposal of waste is a planning requirement for all new developments, whether residential, commercial, or industrial. Many existing properties do not have facilities that are suitable for current volumes, segregation requirements, and collection frequencies.

The management of communal facilities or public access, e.g. flats and streets, can be challenging since residents do not have the luxury of daily or constant site management, and external interference is more likely. By making waste and recycling hubs accessible to everyone, we can achieve numerous economic, environmental, and social gains.

Fire Safety
There are estimated to be 50,000 bin fires attended by FRS's across the UK every year. Some of these arise from internal refuse chutes and bin chambers which are poorly maintained or no longer fit for purpose, others from bins stored externally without sufficient thought given to their location and the specification of any store.

Putting the bins too close to an opening, such as a door or window, can result in the fire spreading quickly, putting lives at risk. The Government advice on FRA's for Premises with Sleeping Accommodation recommends that bins are secured, so they can't be pushed up against dwellings and set alight. The CFPA-E guidance describes the method for calculating safety distances.

How do metroSTOR bin housings reduce fire risk?
metroSTOR bin housings reduce the risk of fire by securing bins at a safe distance from dwellings. This distance varies according to the fire load, and if it can't be achieved due to a lack of space, then the bins should be secured with an enclosure giving 30 minutes fire resistance.

metroSTOR bin housings also reduce the fire load around dwellings by eliminating side-waste and fly-tipping, which apart from being unsightly, an environmental health hazard and costly to remove, are also potential triggers for arson.

Fire retardant cladding options can be specified to reduce risk where 6m building clearance cannot be achieved for Bin Store Units and Bin Room Buildings.

How do I calculate the safety distance?
The safety or separation distance varies according to the fire load. The most reliable method of calculating this is to take the width of the bins facing the dwelling and add 2.5m. This safety distance is measured from any point at which fire could enter the dwelling, including door and window openings, extractor fans and boiler flues, and any combustible elements.

metroSTOR PBM
Bin Storage Housings (660L - 1280L)

With over 10,000 units currently in operation, metroSTOR PBM Bin Housings are a well- established, tough and versatile outdoor bin storage solution. By enclosing wheeled bin containers and controlling user access, our products effectively increase recycling rates, while reducing fire risk and issues associated with side waste.

With a design platform that affords flexibility across a number of key areas, metroSTOR PBM Bin Housings accommodate 4 wheeled bin containers as standard, with capacities from 660L to 1280L stored in an open position. Internal features, such as adjustable space bars and internal deflector plates, ensure the correct and efficient containment of waste.

Bespoke hole patterns incorporate an assured sense of visual interest, with the potential for that characteristic to be further enhanced with additional options for green roof designs. This attractive feature showcases environmental scrutiny and encourages an active contribution towards biodiversity, a rising consideration in design.

Reduced fire risk is central to metroSTOR design and where site constraints limit the positioning of bin housings outside of the CFPA recommended six metre distance, the units can be specified with fire-resistant enclosure options.

Product Capacity & Dimensions

PBM 660L - 1280L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBM 1	1x 660L-1280L	1390	1590	1840	1 Door
PBM 2	2x 660L-1280L	1390	3080	1840	2 Doors
PBM 3	3x 660L-1280L	1390	4570	1840	3 Doors
PBM 4	4x 660L-1280L	1390	6060	1840	4 Doors
PBM 5	5x 660L-1280L	1390	7550	1840	5 Doors
PBM 6	6x 660L-1280L	1390	9040	1840	6 Doors

PBM RL 660L - 1280L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBM RL 1	1x 660L-1280L	1390	1590	1840	1 Door
PBM RL 2	2x 660L-1280L	1390	3080	1840	2 Doors
PBM RL 3	3x 660L-1280L	1390	4570	1840	3 Doors
PBM RL 4	4x 660L-1280L	1390	6060	1840	4 Doors
PBM RL 5	5x 660L-1280L	1390	7550	1840	5 Doors
PBM RL 6	6x 660L-1280L	1390	9040	1840	6 Doors

PBMN 660L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBMN 1	1x 660L	1040	1590	1850	1 Door
PBMN 2	2x 660L	1040	3080	1850	2 Doors
PBMN 3	3x 660L	1040	4570	1850	3 Doors
PBMN 4	4x 660L	1040	6060	1850	4 Doors
PBMN 5	5x 660L	1040	7550	1850	5 Doors
PBMN 6	6x 660L	1040	9040	1850	6 Doors

PBMC 720L - 940L Chute Bins

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBMC 1	1x 720L-940L	1220	1200	2110	1 Door
PBMC 2	2x 720L-940L	1220	2320	2110	2 Doors
PBMC 3	3x 720L-940L	1220	3430	2110	3 Doors
PBMC 4	4x 720L-940L	1220	4540	2110	4 Doors
PBMC 5	5x 720L-940L	1220	5650	2110	5 Doors
PBMC 6	6x 720L-940L	1220	6760	2110	6 Doors

PBMT 100L - 1280L Taylor Continental Bins

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBMT 1	1x 1100L-1280L	1250	1490	1840	1 Door
PBMT 2	2x 1100L-1280L	1250	2880	1840	2 Doors
PBMT 3	3x 1100L-1280L	1250	4270	1840	3 Doors
PBMT 4	4x 1100L-1280L	1250	5660	1840	4 Doors
PBMT 5	5x 1100L-1280L	1250	7050	1840	5 Doors
PBMT 6	6x 1100L-1280L	1250	8440	1840	6 Doors

PBML 660L End Load

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBML 1	1x 660L	1490	910	1850	1 Door
PBML 2	2x 660L	1490	1690	1850	2 Doors
PBML 3	3x 660L	1490	2520	1850	3 Doors
PBML 4	4x 660L	1490	3300	1850	4 Doors
PBML 5	5x 660L	1490	4110	1850	5 Doors
PBML 6	6x 660L	1490	4880	1850	6 Doors

Model Variants

metroSTOR PBM accommodates 4-wheeled bin containers from 660L to 1280L capacity for controlled front loading through a waste stream specific aperture. The enclosed design enables bin container lids to be left in the open position without risk of wind blow litter.

Bin housings will sometimes need to be loaded from one side and emptied from the other, particularly in on-street locations. **metroSTOR PBM RL** allows this to be done easily, improving security, reducing contamination and unauthorised use and making the collection procedure more efficient.

PBMN is designed to accommodate both plastic and metal designs of 4-wheeled bin containers up to 660L capacity in a compact footprint. Waste streams are controlled with recyclable type aperture front loading door and the enclosed design enables bin container lids to be left in the open position without risk of wind blow litter.

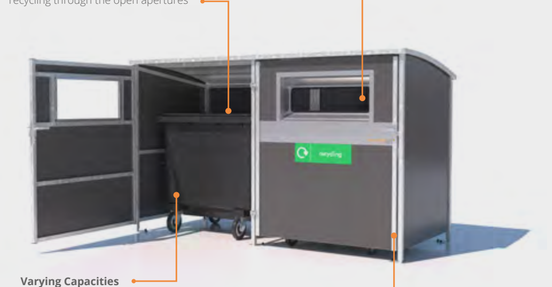
PBMC provides a specially designed housing for 'Chamberlain' 720L and 940L metal four-wheel bins. The outdoor bin store is also suitable for most legacy 'Paladin' and other metal chute bins. Where bin chutes are still in use, these units are an excellent solution for storing bins as they are rotated out of the chutes between collections.

PBMT is specifically dimensioned to house 1100L and 1280L metal four-wheel bins manufactured by Taylor Continental, which have a reduced footprint in comparison to many plastic bins of the same capacity. The space saving offered by the metroSTOR PBMT can make a big difference on a tight urban site.

PBML is designed to allow the 'end on' storage of 660L four-wheel bins, providing an off-the-shelf solution where available width on site precludes the use of the standard metroSTOR PBMN.

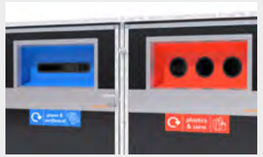
Touch Free
Bins are stored in an open position allowing touch free deposit of rubbish/ recycling through the open apertures

Waste Stream Control
Front-load enclosure design with signage specific recycling and apertures



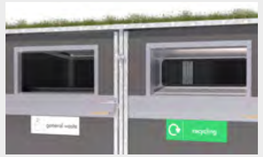
Varying Capacities
Designed to accommodate 4 wheeled bin containers with capacities from 660L to 1280L

All-Steel Construction
Welded frame assemblies, tough multi-stage colour coating



Waste Stream Apertures

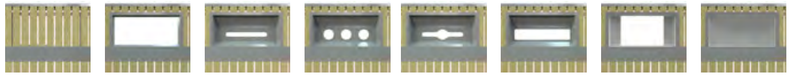
Reduce contamination of waste streams with a range of signage specific apertures, available as a factory installed option or as a retrofit.



Green Roof Option

Two green roof options are available: sedum only, or a combination of sedum and wildflowers. Learn more about Green Roof structures on page 48.

Apertures



Solid Door No Aperture | Large Bag | Individual Item—Slot | Individual Item—Hole | Individual Item—Mixed | Small Bag | WEE Equipment Recycling | Blanking Plate

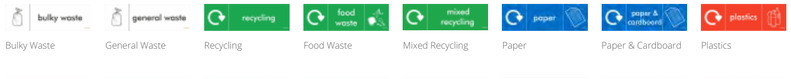
Locking Systems

Latch + Battery Code Lock | Latch + Eurocylinder Lock | Slam Latch + Eurocylinder Lock | Slam Latch + Triangle Key Lock | Latch Only | Slide Bolt + Padlock

Cladding & Finish Examples

Firenze Anthracite Grey / FR | Firenze Nordic Night Black / FR | Firenze Leaf Green / FR | Firenze Colour Powder Coat / FR | Firenze Colour Powder Coat | ForestPanel SW Slat Colour | ForestPanel SW Slat / FR | ForestPanel SW TGV FR | Firenze Freestyle Surface Design | Firenze Freestyle Surface Design FR | Firenze Design Wrap | Firenze Design Wrap Illustration

Waste and Recycling Stream Signage Option Examples



Bulky Waste | General Waste | Recycling | Food Waste | Mixed Recycling | Paper | Paper & Cardboard | Plastics

Plastic & Cans | Glass | Mixed Glass, Bottles & Jars | Household Plastic Packaging | Food Tins & Drink Cans | Cans, Bottles & Glass | Cardboard & Cartons | Example Bespoke Signage

metroSTOR Bin Storage Housings Case Study

Poets Close Estate, Rhydyfelin

The Poets Close Estate in Rhydyfelin, South Wales has had a recent history of being hard to let due to antisocial behaviour issues. These have included several incidents of arson and unfortunately even physical attacks on tenants. After a fire broke out in a stairwell following suspected arson, it became clear that certain elements of the scheme required an urgent upgrade to ensure tenant safety.

Fly-tipping had been a recurring issue with the insecure bin store areas, resulting in expensive removal costs in addition to encouraging further antisocial behaviour. Reports of arson, drug use, and physical abuse in the confines of the communal bin and drying areas meant that tenants were not using these facilities correctly due to serious safety concerns.

Working closely with the team at Newydd Housing Association behind the Poets Close Regeneration Scheme, metroSTOR provided expert design and specification advice on waste storage capacity requirements, security of external spaces and ways to increase tenant engagement in improving recycling rates.

Following the metroSTOR PBM Bin Store installations on the Poets Close Estate, only one case of fly-tipping has been reported, and this was successfully prosecuted by local authorities. The Regeneration Scheme has been successful in giving tenants a sense of pride in their homes and helping them take ownership of their neighbourhoods. There has also been a significant increase in residents recycling. The new bin store layout has prevented non-residents from using the area as a walk-through, with the metroSTOR waste and recycling storage systems having deterred misuse and reduced associated incidents of antisocial behaviour.

Rachel Honey-Jones, Head of Community Regeneration at Newydd Housing Association commented, “The tenants had told us that they did not feel safe on this estate. There was lots of antisocial behaviour which was taking place, there was youth annoyance, there was fly-tipping and drug use. Tenants not feeling safe in their homes just isn’t acceptable, so that’s something that we really wanted to change.”

newydd

“The feedback that we’ve had from the residents since the regeneration project has taken place has been absolutely outstanding. Prior to the regeneration we had 16 out of 36 homes which were void and empty and unable to be tenanted, they are now completely tenanted. All residents now feel safe and secure in their homes and don’t have the fear or worry of fly-tipping or any antisocial behaviour on the estate.”

“The metroSTOR team was absolutely fantastic from day one, they came down to the site and they measured up and told me exactly what it was that I would need for this regeneration project. They were extremely friendly, professional and gave excellent advice. I would 100% recommend them as a company to use if you’re doing a regeneration project of this sort.”

“The feedback that we’ve had from the residents since the regeneration project has taken place has been absolutely outstanding.”

metroSTOR PBL
Bin Storage Housings (140L - 360L)

metroSTOR PBL Bin Storage Housings are developed for the function of co-located waste and recycling facilities. Enclosing 140L – 360L wheeled bins, the platform is often employed in conjunction with the larger metroSTOR PBM Bin Storage Housings.

Easily accessible with clear signage and a strong visual message from colour coded graphics, the system makes it easier for residents to identify the correct bin for their recyclables, while door apertures for specific waste streams restrict the items that can be placed in them.

Highlighting positive impact, our Bin Storage Housings help deliver environmental improvements by reducing side waste and fly-tipping. Aside from the unsightly visual impact, side waste presents an environmental health hazard, while it is also costly to remove and can become a potential trigger for arson and other forms of vandalism.

The aspect of fire risk is further reduced by securing the bin container at a safe distance from dwellings, benefitting security and ease of access with outdoor locations that are often within line of sight of the respective residential area. The option for fire-resistant wall and liner systems is likewise beneficial, while aesthetically pleasing green roof designs further deliver on environmental benefits.

Model Variants

metroSTOR PBL Bin Housings enclose two wheeled bins up to 240L capacity, controlling access with recyclable type door aperture. Integrated shelving for the storage of recycling boxes within the unit is available as an option.

The reduced dimensions of **metroSTOR PBLN** Bin Housings enclose 140L capacity wheeled bins to maximise space efficiency. Access to the bin is controlled with recyclable type door apertures.

metroSTOR PBLX Bin Housings accommodate the larger capacity 360L wheeled bins with the same recyclable type door aperture control as smaller units.

Touch Free
Bins are stored in an open position allowing touch free deposit of rubbish/ recycling through the open apertures

Waste Stream Control
Front-load enclosure design with signage specific recycling and apertures

Varying Capacities
Designed to accommodate 2 wheeled bin containers with capacities from 140L to 360L

All-Steel Construction
Welded frame assemblies, tough multi-stage colour coating

Product Capacity & Dimensions

PBL 140L - 240L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBL 1	1x 140L-240L	900	760	1490	1 Door
PBL 2	2x 140L-240L	900	1380	1490	2 Doors
PBL 3	3x 140L-240L	900	2040	1490	3 Doors
PBL 4	4x 140L-240L	900	2660	1490	4 Doors
PBL 5	5x 140L-240L	900	3320	1490	5 Doors
PBL 6	6x 140L-240L	900	3940	1490	6 Doors

PBLN 140L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBLN 1	1x 140L	800	670	1500	1 Door
PBLN 2	2x 140L	800	1190	1500	2 Doors
PBLN 3	3x 140L	800	1750	1500	3 Doors
PBLN 4	4x 140L	800	2280	1500	4 Doors
PBLN 5	5x 140L	800	2840	1500	5 Doors
PBLN 6	6x 140L	800	3370	1500	6 Doors

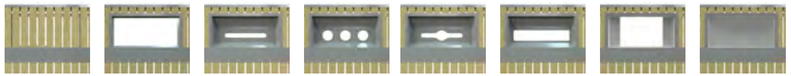
PBLX 240L - 360L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBLX 1	1x 240L-360L	1060	760	1490	1 Door
PBLX 2	2x 240L-360L	1060	1380	1490	2 Doors
PBLX 3	3x 240L-360L	1060	2040	1490	3 Doors
PBLX 4	4x 240L-360L	1060	2660	1490	4 Doors
PBLX 5	5x 240L-360L	1060	3320	1490	5 Doors
PBLX 6	6x 240L-360L	1060	3940	1490	6 Doors

Waste Stream Apertures
Reduce contamination of waste streams with a range of signage specific apertures, available as a factory installed option or as a retrofit.

Green Roof Option
Two green roof options are available: sedum only, or a combination of sedum and wildflowers. Learn more about Green Roof structures on page 48.

Apertures



Solid Door No Aperture | Large Bag | Individual Item—Slot | Individual Item—Hole | Individual Item—Mixed | Small Bag | WEE Equipment Recycling | Blanking Plate

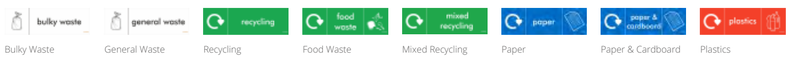
Locking Systems

Latch + Battery Code Lock | Latch + Eurocylinder Lock | Slam Latch + Eurocylinder Lock | Slam Latch + Triangle Key Lock | Latch Only | Slide Bolt + Padlock

Cladding & Finish Examples

Firenze Anthracite Grey / FR | Firenze Nordic Night Black / FR | Firenze Leaf Green / FR | Firenze Colour Powder Coat / FR | Firenze Colour Powder Coat | ForestPanel SW Slat Colour | ForestPanel SW Slat / FR | ForestPanel SW TGV FR | Firenze Freestyle Surface Design | Firenze Freestyle Surface Design FR | Firenze Design Wrap | Firenze Design Wrap Illustration

Waste and Recycling Stream Signage Option Examples



Bulky Waste | General Waste | Recycling | Food Waste | Mixed Recycling | Paper | Paper & Cardboard | Plastics

Plastic & Cans | Glass | Mixed Glass, Bottles & Jars | Household Plastic Packaging | Food Tins & Drink Cans | Cans, Bottles & Glass | Cardboard & Cartons | Example Bespoke Signage

metroSTOR PBL Bin Housings Case Study
Brighton Road, LB of Kingston

Street bins for flatted properties

One of the key objectives for Councils in urban areas is securing clean recycling from every household, and properties like flats above shops that don't have room to store bins safely present a particular challenge. Bagged refuse has to be put out on the pavement for collection, which looks very unsightly and leaves it at risk of being torn open by animals.

The London Borough of Kingston Upon Thames in West London has been looking into ways to provide effective domestic waste facilities for residents living in flatted accommodation in the Brighton Road area, along with finding a solution to fly-tipping and side waste issues – which caused an undesirable impact on the neighbourhood, as well as regular costly caretaking inputs for removal.

The London Borough ran a trial using external bin stores to capture domestic waste along Brighton Road for residents of the flats above shops who have no storage space for wheelie bins or waste sacks, ensuring they have easy and secure access to their designated refuse bins.

Working closely with the London Borough of Kingston, metroSTOR specified four metroSTOR PBLX bin housings, each holding two 240L-360L capacity 2-wheeled bins. The metroSTOR PBLX bin store is designed to secure the two-wheeled waste bins within an enclosed housing, making it both safe and accessible for residents and collectors.

Due to the close proximity to commercial and residential property, these robust and easy-to-use bin housings are configured in a highly durable, non-combustible, fire protection board-lined cladding with the chosen finish of Firenze Night Black, and the addition of bespoke signage. The solid door design limits odours and other undesirable side effects as the food waste deposits start to degrade within the bin. A secure key code locking system ensures the housing is accessed solely by the residents who are part of the trial and not the general public.

We are pleased to report that this has been successful and is now being rolled out in other areas in the Borough.

metroSTOR PBH
Bin Store Buildings

Integrating waste streams in a manner that inhibits risk and encourages sustainability is a fundamental principle of all metroSTOR waste and recycling storage solutions. While traditional bin storage buildings act as a standard practice for the removal of waste, they carry elements of risk, from generating fire hazards to providing a platform for antisocial behaviour.

In contrast, metroSTOR PBH Bin Room Buildings make for an efficient use of available space, consolidating waste streams in either a single or a series of neat recycling systems. The structure is intentionally designed to be visually attractive and a welcoming system for users to employ. This aids peace of mind by encouraging a more responsive environment, while the addition of access control variations supply security measures and restrict the occurrence of vandalism.

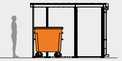
A reduced level of fire risk is achieved by their exterior location, where they are often implemented close to buildings and within the user line of sight. If the unit cannot be located outside of the six metre recommended distance due to site constraints, our outdoor bin storage system can be customised with fire-resistant wall and roof cladding options.

Product Capacity & Dimensions

PBH**24**

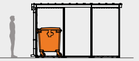
Model	Depth (mm)	Width (mm)	Height (mm)
PBH 24.26	2730	2720	2340
PBH 24.32	2730	3320	2340
PBH 24.38	2730	3920	2340
PBH 24.44 - 24.86	*width increases by 600mm per variant*		
PBH 24.92	2730	9320	2340
PBH 24.98	2730	9920	2340

PBH**30**



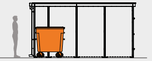
Model	Depth (mm)	Width (mm)	Height (mm)
PBH 30.26	3330	2720	2340
PBH 30.32	3330	3320	2340
PBH 30.38	3330	3920	2340
PBH 30.44 - 30.86	*width increases by 600mm per variant*		
PBH 30.92	3330	9320	2340
PBH 30.98	3330	9920	2340

PBH**36**



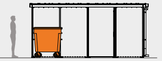
Model	Depth (mm)	Width (mm)	Height (mm)
PBH 36.26	3920	2720	2340
PBH 36.32	3920	3320	2340
PBH 36.38	3920	3920	2340
PBH 36.44 - 36.86	*width increases by 600mm per variant*		
PBH 36.92	3920	9320	2340
PBH 36.98	3920	9920	2340

PBH**42**



Model	Depth (mm)	Width (mm)	Height (mm)
PBH 42.26	4530	2720	2340
PBH 42.32	4530	3320	2340
PBH 42.38	4530	3920	2340
PBH 42.44 - 42.86	*width increases by 600mm per variant*		
PBH 42.92	4530	9320	2340
PBH 42.98	4530	9920	2340

PBH**48**



Model	Depth (mm)	Width (mm)	Height (mm)
PBH 48.26	5130	2720	2340
PBH 48.32	5130	3320	2340
PBH 48.38	5130	3920	2340
PBH 48.44 - 48.86	*width increases by 600mm per variant*		
PBH 48.92	5130	9320	2340
PBH 48.98	5130	9920	2340

Model Variants

A highly flexible design platform ensures distinct variety, with 65 different pre-engineered units available, along with the option for bespoke structures. Green roof designs represent a nod to the rising popularity of greener initiatives, adding visual appeal and benefitting the environment by aiding biodiversity and encouraging natural habits for birds and insects.

metroSTOR PBH24 The narrowest format metroSTOR PBH at 2.4m depth with pre-engineered widths from 2.6m to 9.8m. Multiple door locations are possible within the design format to accommodate 2 and 4-wheeled containers.

metroSTOR PBH30 The 3.0m depth metroSTOR PBH available with pre-engineered widths from 2.6m to 9.8m. Multiple door locations are possible within the design format to accommodate 2 and 4-wheeled containers.

metroSTOR PBH36 Bin Store Building is designed to house two rows of 770L-1280L four-wheel refuse bins stored 'front on', in its 3.6m depth. Pre-Engineered widths from 2.6m to 9.8m with multiple access door locations possible.

metroSTOR PBH42 are 4.2m deep allowing space for a combination of 2 and 4-wheeled bin containers to be stored with a central aisle. Pre-Engineered widths from 2.6m to 9.8m with multiple access door locations possible.

metroSTOR PBH48 Bin Store Buildings are 4.8m deep allowing space for a combination of 2 and 4-wheeled bin containers to be stored with a central aisle. Pre-Engineered widths from 2.6m to 9.8m with multiple access door locations possible.

metroSTOR PBH Bespoke Bin Store Buildings are engineered from the modular H-Series design to suit site specific footprints, architectural considerations, the desired storage combination of bin containers to be stored and the type of access required both for residents or site users and maintenance staff.

Fire-Resistance
If the unit cannot be located outside of the six metre recommended distance our outdoor bin housings can be specified with fire-resistant wall and roof cladding options.

Multiple Door Locations
Are possible within the design format to accommodate 2 and 4 wheeled containers.

Pre-Engineered
Available with 65 different pre-engineered units

Customise
A wide range of cladding options are available to select according to site use, architectural style and surrounding environment.

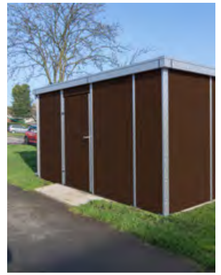
Green Roof Option
This option not only enhances visual appeal but also supports the environment by encouraging biodiversity and providing natural habitats for birds and insects. Learn more about Green Roof structures on page 48.

Locking Systems

Latch + Battery Code Lock | Latch + Eurocylinder Lock | Latch + Triangle Key Lock | Latch Only | Slide Bolt + Padlock

Cladding & Finish Examples

Firenze Anthracite Grey / FR | Firenze Nordic Night Black / FR | Firenze Leaf Green / FR | Firenze Colour Powder Coat / FR | Firenze Colour Powder Coat | Firenze Freestyle Colour Powder Coat | ForestPanel SW Slat | ForestPanel Colour SW Slat | ForestPanel SW TGV | ForestPanel Cedar Slat | ForestPanel Iroko Slat | ForestPanel FR



metroSTOR FX
Food Waste Bin Housings

metroSTOR FX Food Waste Bin Housings are designed to help local authorities prioritise the separate collection of food waste for multi-family properties where individual waste caddies are not a practical option.

Designed to increase resident involvement in recycling schemes, the metroSTOR FX is a neat, robust and easy to use product for outdoor bin storage. It accommodates either 140L, 240L or 360L wheeled bins stored in an open position within an enclosed housing. FP models are fitted with the foot-pedal operated lid system enabling touch free access.

Where food waste bin housings are located in public areas, access control is often desirable to minimise contamination. BLE (Bluetooth Low Energy) latch systems can be specified with an easy to use administration platform.

A common drawback associated with food waste bins is the requirement to handle food waste bin lids, which can discourage use. The metroSTOR FX lid is therefore considerately designed to both enable ease of operation and ensure the food waste container is kept enclosed. This function negates odours and undesirable side effects caused by food degradation, whilst also highlighting our ability to facilitate problem-solving design considerations.

Separate battery deposit boxes can also be fitted to the metroSTOR FX bin housing range to help introduce safe and convenient battery disposal points into communal waste and recycling settings.

Minimise Contamination
Control user access with smartphone app or electronic keypad options

Cart Specific Models
Manufactured in 3 model sizes for 140, 240 and 360 litre carts

All-Steel Construction
All steel manufacture with zinc and colour coated finishes

Foot Pedal Lid Control
Use the foot pedal to deposit food waste without touching the cart lid

Product Capacity & Dimensions

FX

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
FX-140	1x 140L	610	660	1250	1 Door
FX-240	1x 240L	780	740	1260	1 Door
FX-360	1x 360L	940	750	1310	1 Door

Cladding & Finish Examples

Firenze Anthracite Grey | Firenze Nordic Night Black | Firenze Leaf Green

Firenze Walnut Brown | Firenze Colour Powder Coat | Firenze Anthracite Grey / ForestPanel SW Timber Infill

Waste and Recycling Stream Signage Option Examples

Food Waste

Example Bespoke Signage

Battery Deposit Box

- Allows the deposit of used batteries
- Batteries are contained in a separate compartment

BLE Access Control

- BLE (Bluetooth Low Energy) Latch
- Bluetooth app-based system to control user access

metroSTOR Food Waste Bin Housings Case Study

Ravenscraig, Kirkcaldy, Fife

As part of a new project to introduce food waste recycling on the Ravenscraig housing estate in Kirkcaldy, Fife, metroSTOR have been working with Fife Council providing metroSTOR FX Food Waste Bin Housings for 3 multi-storey tower blocks with 258 dwellings.

Communal bin areas in high-rise residential tower blocks present unique considerations for ensuring effective recycling capture and food waste disposal. Individual wheeled bins for residents are largely unfeasible due to the lack of storage space and practical constraints posed on collection crews, while the requirement to handle unsanitary bin lids when disposing of food waste can discourage resident participation. In these circumstances, residents will often dispose of all household waste, recyclables and food waste in one waste stream, leading to issues like blocked bin chutes, overflowing bins, and contributing to landfill sites.

Following a consultation process with Sustainable Sidekicks, operating on behalf of Fife Council, metroSTOR worked from a comprehensive brief to develop bespoke WRAP signage for food waste bins. The designs utilise behavioural science to encourage residential usage, with positive visual messaging advising and educating residents of what kinds of food waste are able to be disposed of, where it ends up and how it is utilised, and how this outcome benefits the Fife communal network. The eye-catching designs focused on infographics and pictorial messaging that were bright, colourful and playful, giving the food waste bins distinct visual appeal.

The Ravenscraig project drew inspiration from ReLondon's, Making Recycling Work For People In Flats Project, where 35no. metroSTOR FX food waste bin housings were part of new recycling and food waste facilities introduced across 4 Lambeth housing estates. The 13-month pilot scheme resulted in an average 152% increase in recycling rates, alongside a 45% reduction in food waste. The success of this scheme led to the publication of ReLondon's Toolkit – Flats Recycling Package, aimed at housing providers and building managers that want to make improvements and explore new ways of increasing recycling from purpose-built flats, with guidance on introducing food waste recycling services.

metroSTOR FX-FP models are fitted with a foot-pedal operated lid system that offers touch-free operation, making it easier for residents to participate in sustainable food waste disposal by enabling them to place their food waste directly into the container without touching the bin or lid. This design approach also limits odours and other undesirable side effects caused by food degradation by ensuring the container is kept enclosed as soon as the food waste has been deposited. Once the trial was underway, residents received regular updates on how it was going via posters. Rather than just providing a broader look, posters giving running totals per block were put up to give a real sense of collective effort. Fun recycling facts were also included to give some tangible context to the good being done and that a real difference was being made.

From interviews with residents who were using the service, the motivators included:

- Doing their bit for the environment
- Improving the smell of their household bin
- Improving the smell of chutes and hallways in the buildings

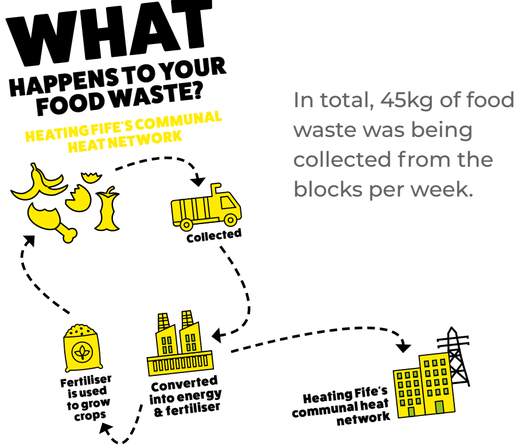
These learnings were taken forward and included in resident magazines and local press articles. The content was focused on the benefits to the people's own spaces and the local community rather than just an environmental message.

From data collected during the trial, households were depositing weights on average of 1kg per visit to the bins. In total, 45kg of food waste was being collected from the blocks per week.

As a follow-on from the trial, Fife Council and the Sustainable Sidekicks team were able to provide a detailed report. This was full of recommendations for a wider roll-out, which covered the infrastructure and comms approach.

Key takeaways included using high quality caddy liners, locating bins at easy locations and focusing the comms on social proof as well as both individual and community benefits. Ultimately, this led to a successful funding bid from Zero Waste Scotland.

Blocks of flats will present a significant challenge to the introduction of separate collection of residential food waste by April 2026. Availability of space and difficulties with resident engagement are just two hurdles to overcome. However, it's clear that Fife Council's work will aid others in approaching these areas.



In total, 45kg of food waste was being collected from the blocks per week.

metroSTOR's Nigel Deacon was joined by guests Livvy Drake of Sustainable Sidekicks and Sandy Anderson of Fife Council to discuss the findings from this recent trial, **click below** to watch the webinar to learn more about their insights and key takeaways.

metroSTOR B-Series
Bin Storage Enclosures (140L - 1280L)

Built for today's urban environment, the metroSTOR B-Series incorporates form and function with a focus on street recycling locations. Designed to secure wheeled bin containers in an orderly fashion with user-controlled access, the B-Series increases the rate of recycling at source, reducing the contamination of waste streams whilst profiting a sense of urban style to the street scene.

Customarily, communal bins are employed in crowded residential streets, parking areas and other urban environments. As a result, they can cause obstructions to foot traffic, be pushed or blown into parked cars, or otherwise be blocked in by vehicles. In contrast, the B-Series ensures bin containers are always accessible for bin crews and users by offering an enclosure that allows for secure ease of access.

From a design perspective, the B-Series can be tailored to suit specific locations, collection regime and user profile. Full height end frames specifically highlight the recycling hub, with stylish design features that provide branding and signage opportunities. Sustainable steel manufacturing ensures a long-term, reliable product system, while lockable enclosure frames address fire risks associated with unsecured bins. In addition, implemented lid restrictions prevent bins being used for bulky waste where outdoor bin storage is situated in public environments.

Product Capacity & Dimensions

B-Series 140L - 1280L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
B480	2x 240L/140L	1000	1530	1420	2 doors
B1100	1x 1100L	1400	1605	1755	1 door
B1280	1x 1280L/x2 360L	1220	1605	1755	1 or 2 doors

Clean Space Design
Colour finish options with visual messaging opportunities

Waste Stream Control
Front-load enclosure design with signage specific recycling and apertures

Modular Design Platform
Coordinated street furnishings with metroSTOR family products

All-Steel Construction
Welded frame assemblies, tough multi-stage colour coating

Waste and Recycling Aperture and Signage Options

Solid Door No Aperture | General Waste | General Waste Restricted Opening | Mixed Recycling

Mixed Recycling Restricted Opening | Recycling Individual Item – Mixed | Plastic, Glass & Tins – Restricted Opening | Plastic – Hole

Plastic – Mixed | Glass – Hole | Paper and Cardboard – Individual Item – Slot | Paper and Cardboard – Individual Item – Mixed

metroSTOR PBR
Bin Storage Lockers (140L - 360L)

Designed to interrelate with the style of architecture necessitated by residential development frontages, the metroSTOR PBR Bin Storage Locker is developed with a consideration of the available space at hand, which is often at a premium. It's low profile design therefore minimises visual impact, which allows for ease of integration into both existing and new-build developments.

Design innovation in outdoor bin storage is readily adaptable for bespoke applications with metroSTOR. The sleek aesthetic of the R-Series Bin Storage Locker can be tailored to complement or contrast with the environment as desired.

The R-Series Locker is designed to enclose wheelie bin storage at a size of 140L – 360L, which are stored facing forward with lids either open or closed within the store. Internal design features give users the ability to 'tip' the bin for easy loading, while an all-steel construction combines long-term durability with a confident grasp of style.

Product Capacity & Dimensions

R-140 140L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
R-140.1	1x 140L	700	640	1310	1 Door
R-140.2	2x 140L	700	1190	1310	2 Doors
R-140.3	3x 140L	700	1750	1310	3 Doors

R-240 240L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
R-240.1	1x 240L	870	720	1320	1 Door
R-240.2	2x 240L	870	1350	1320	2 Doors
R-240.3	3x 240L	870	1990	1320	3 Doors

R-360 360L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
R-360.1	1x 360L	970	730	1370	1 Door
R-360.2	2x 360L	970	1370	1370	2 Doors
R-360.3	3x 360L	970	2020	1370	3 Doors

Waste and Recycling Stream Signage Option Examples

Bulky Waste

General Waste

Recycling

Food Waste

Mixed Recycling

Paper

Paper & Cardboard

Plastics

Plastic & Cans

Glass


Mixed Glass, Bottles & Jars


Household Plastic Packaging

Food Tins & Drink Cans

Cans, Bottles & Glass

Cardboard & Cartons


Example Bespoke Signage

metroSTOR PBC
Recycling Hubs

metroSTOR PBC Recycling Hubs are designed for outdoor bin storage that offers co-located waste and recycling applications, where the handling of waste-streams is determined by on-site management.

metroSTOR PBC provides both an organised and highly durable central recycling hub, ensuring that the collection of waste and on-site recycling is as effortless as possible for users. This quality is further assisted by graphics that offer clear waste stream signage, fitted to the doors of our unit.

Our hubs are designed with a raised central wall and end sections that offer safeguarding against wind-blown litter whilst enabling access to the bins from either side. The centrally supported slatted roof section ensures that clear lines of sight are maintained throughout the structure, reducing the visual impact of our unit. The outdoor location likewise is an aid to the reduction of fire risks, whilst also providing a trusted level of security by deterring antisocial behaviour.

Clear Lines of Sight
The centrally supported slatted roof section ensures that clear lines of sight are maintained throughout the structure

Varying Capacities
Designed to accommodate 4 wheeled bin containers with capacities from 660L to 1280L

All-Steel Construction
Welded frame assemblies, tough multi-stage colour coating

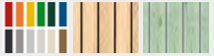
Product Capacity & Dimensions

PBC 660L - 1280L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)	Access
PBC 2	2x 660L-1280L	2700	1690	2330	1 Door
PBC 4	4x 660L-1280L	2700	3190	2330	2 Doors
PBC 6	6x 660L-1280L	2700	4690	2330	3 Doors
PBC 8	8x 660L-1280L	2700	6190	2330	4 Doors
PBC 10	10x 660L-1280L	2700	7690	2330	5 Doors

Cladding & Finish Examples

Firenze Anthracite Grey / FR | Firenze Nordic Night Black / FR | Firenze Leaf Green / FR | Firenze Walnut Brown / FR



Firenze Colour Powder Coat | ForestPanel SW Slat / FR | ForestPanel Colour SW Slat

Locking Systems

Latch + Battery Code Lock | Latch + Eurocylinder Lock | Slam Latch + Triangle Key Lock

Latch Only | Slide Bolt + Padlock

Waste and Recycling Stream Signage Option Examples

Bulky Waste | General Waste | Recycling | Food Waste | Mixed Recycling | Paper | Paper & Cardboard | Plastics

Plastic & Cans | Glass | Mixed Glass, Bottles & Jars | Household Plastic Packaging | Food Tins & Drink Cans | Cans, Bottles & Glass | Cardboard & Cartons | Example Bespoke Signage

metroSTOR 8100 Series
Litter Bins (90L - 240L)

Representing a comprehensive range of street litter bins, the metroSTOR 8100 Series is intended for a variety of urban and external applications. These range from general street waste to at-source recycling facilities and is designed with the acute attention to detail and high build quality afforded to our well-proven metroSTOR bin housings, of which there are over 15,000 units in daily operation.

The 8100 series is defined by principles that ensure the essential litter bin delivers value for the long term. It is designed for durability in tough urban environments, containing a super rigid steel shell and an integral door frame that prevents flex in the bin structure, leading to alignment issues.

Further design features include a removable ash tray, laser cut iconography, signage, seagull access prevention and recycling stream control.

Photo: Ashford Borough Council

Welded Steel Shell
Super-rigid bin structure engineered to prevent flex that can lead to alignment issues over time.

Bespoke Specifications
Add laser-cut iconography, recycling apertures, roof options, ash tray and cigarette stubbers.

Durable Metal Finishes
Multi-stage pre-treatment process for long life powder coated finishes.

3 Year Parts & Labour Warranty
Keep bin units in service long term with metroSTOR nationwide engineers.

Coordinated Design Series
Select bin models and container capacities but keep design form, options and finishes consistent.

Choice of Colour Coatings
Polyester Powder Coated Finishes in standard RAL or BD colours.

Product Capacity & Dimensions

8100 90L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)
8100 S90	90L Litter Bin	370	560	990
8100 S180	Dual 90L Litter Bin	390	1030	990

8100 130L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)
8100 SL130	130L Litter Bin	560	560	990
8100 DL260	Dual 130L Litter Bin	560	1030	990

8100 140L - 240L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)
8100 WB140	140L Wheeled Container Litter Bin Housing	630	630	1300
8100 WB240	240L Wheeled Container Litter Bin Housing	800	690	1300

Timber Infill Panel Option
Bring natural materials in to soften the built environment.

Laser Cut Panel Design
Create added design interest with hole pattern image features.

Roof Type
Choose between a profile flat or peak roof, all configurable with Ash Tray / Stubber.

Aperture Type Options
Separate recycling at point of use with recycling specific apertures.

Signage & Iconography
Laser cut iconography to WRAP recycling signage available to specify at factory order.

Model Variants

The **S90** slimline metroSTOR 8100 Litter Bin is a cost effective litter bin for external applications where available placement width is limited. Manufactured from galvanised steel, colour powder coated, the S90 has a square sided form, two apertures as standard and an integral steel liner.

The **S180** is the dual bin version of the slimline metroSTOR S90 8100 Litter Bin. It is manufactured from galvanised steel, colour powder coated and has a square sided form, four apertures as standard and an integral steel liner.

With faceted corner detail and peaked roof option, the **SL130** is a highly versatile model from the metroSTOR 8100 Litter Bin range. Manufactured from galvanised steel, colour powder coated with laser cut and timber infill panel options, the SL130 has four apertures as standard and an integral steel liner that can be specified with 90L, 110L or 130L capacity.

With the same faceted corner detail and peaked roof option as the SL130, the metroSTOR 8100 **DL260** is the high capacity dual bin version. 6 bin apertures and separate waste containers enable at-source recycling. Manufactured from galvanised steel with colour powder coated finish and laser cut or timber infill panel options.

metroSTOR 8100 WB models are designed to enclose wheeled bin containers in the street scene. Fitting around the 140L bin container in the open position, the **WB140** apertures can be specified for at source recycling streams. Manufactured from galvanised steel with colour powder coated finish and laser cut or timber infill panel options.

Designed to enclose the 240L wheeled bin container in the street scene, metroSTOR 8100 **WB240** can be specified with recycle type specific apertures for at source recycling of waste streams. Manufactured from galvanised steel with colour powder coated finish and laser cut or timber infill panel options.

	Panel Finish Type			Roof Type			Aperture Type					Signage & Iconography				Container Type				Container Access				Ground Anchor	
Model	Firenze Freestyle Colour Powder Coat	Firenze Colour Powder Coat	Firenze / ForestPanel SW Timber Infill	Profiled Flat	Profiled Peak	Removable Ash Tray / Stubber	Litter	Paper & Card	Bottles	WEEE Electrical Waste	Seagull Access Prevention Plate	Laser Cut Litterman Icon	Laser Cut Bespoke Iconography	WRAP Recycling Aluminium Signage	WRAP Laser Cut Signage	90L Galvanised Steel Liner	110L Galvanised Steel Liner	130L Galvanised Steel Liner	Galvanised Steel Removable Liner	Single Door / Spring Latch	Twin Doors / Spring Latch	Spring Latch / Square Drive Release	Spring Latch / Bespoke Release	Multi- Position Chemical Anchor	In-Ground Removable Anchor
8100 S90	●	○	○	●		○	●	○	○	○	○	●	○	○	○	●			●	●		●	○	●	○
8100 S180	●	○	○	●		○	●	○	○	○	○	●	○	○	○	●			●		●	●	○	●	○
8100 SL130	●	○	○	●	○	○	●	○	○	○	○	●	○	○	○		○	●	●	●		●	○	●	○
8100 DL260	●	○	○	●	○	○	●	○	○	○	○	●	○	○	○		○	●	●		●	●	○	●	○
8100 WB140	●	○	○	●	○	○	●	○	○	○	○	●	○	○	○					●		●	○	●	○
8100 WB240	●	○	○	●	○	○	●	○	○	○	○	●	○	○	○					●		●	○	●	○

● Available Specification ○ Special Order

metroSTOR 8100 Litter Bins Case Study
Ashford High Street, Kent

The #InTheLoop recycling grant from the award-winning environmental charity, Hubbub, is designed to help local authorities transform recycling in public spaces. Each successful application receives £8,000, supported by McDonald's, to invest in recycling infrastructure using the #InTheLoop toolkit, as well as receiving ongoing support from Hubbub based on their expertise in delivering recycling campaigns.

Supported by the grant, the on-street recycling initiative is a partnership between Ashford Borough Council and Kent Resource Partnership. metroSTOR has been working as part of the initiative to deliver and install 9no. bespoke metroSTOR 8100 Series litter bins at various prominent locations around Ashford high street.

Studies have shown that visible and pragmatically-placed litter bins are key to maximising interaction from members of the public. Litter bins are most effective in "hotspot" locations where there is more of a demand for them, such as town centres and high streets; anywhere that people congregate, it's likely that litter will follow.

The metroSTOR DL260 is the high-capacity, dual waste and recycling version of the 8100 litter bin series. Designed for durability in tough urban environments, all units in the series contain a rigid steel shell and an integral door frame that prevents flex in the unit's structure, which can lead to alignment issues.

With visual aids a highly useful tool for encouraging correct disposal and recycling, the litter bins were designed with bespoke vinyl graphics to advise users of the accepted items, with 6 apertures and separate waste containers enabling at-source recycling for empty glass, plastic bottles, and cans. A removable ash tray was selected as an optional design feature to encourage proper disposal of cigarette butts, which have been found to make up to 66% of all littered items, creating environmental concerns as cigarette butts are made of plastic and do not biodegrade, breaking down into polluting microplastics.

Part of the funding from the grant will be directed towards engaging communications in order to help educate residents and visitors to Ashford's high street of what common "on-the-go" items can be recycled, with the campaign launching in September 2023. Across all #IntheLoop pilot projects, Hubbub has stated that over 500 bins have been rolled out, contributing to over 2.5m plastic and glass bottles and cans collected and recycled.

Photo: Ashford Borough Council

#InTheLoop

Hubbub's solution to effective recycling on-the-go.

#InTheLoop is the UK's largest collaborative campaign to boost recycling on-the-go. Led by environmental charity Hubbub, the initiative was first trialled in Leeds in 2018 and has since been rolled out in over fifteen locations, including Ashford Kent, Swansea, Edinburgh, Dublin, Wimbledon, Telford and Wrekin, and the London borough of Lambeth. The campaign focuses on making it easy for people to recycle drinks containers while out and about, with the wider goal of reducing waste through a shift towards reusables.

Their work has tested how innovative design and engaging communications can reduce confusion around recycling and make it easier for people to dispose of waste correctly. This proven approach has led to reduced contamination and higher recycling rates. Hubbub shares their results openly and offers a free #InTheLoop toolkit, providing templates, resources, and insights to help other towns and cities replicate the model, supporting a consistent and effective national approach to recycling on-the-go.

metroSTOR Bin Screens & Dividers

Manufactured in the UK by Streetspace, the metroSTOR range of bin screens and bin room dividers are designed to contribute towards the environmental, security and functional elements of a project.

Ensuring bins are stored correctly, these products provide an effective organisational solution, encouraging the correct disposal of waste and the undertaking of essential recycling practices. By establishing an attractive, secured storage area for outdoor waste disposal, these enclosures are hugely beneficial for residential areas and close-knit communities, helping to reduce the risk of antisocial behaviour as a result.

From an internal perspective, our Bin Room Dividers help to maintain the integrity of bin rooms, reducing fire risks and deterring any unseemly means of waste disposal such as fly-tipping, while our Bin Screen Systems are aesthetically advantageous and act as a suitable complement to urban street scene environments.

Bin Locking Enclosures

The metroSTOR E-Series bin locking enclosures offer a robust, practical and design-led solution for the secure storage and visual screening of waste and recycling containers. Engineered for long-term durability and ease of use, the E-Series combines the cost-efficiency of modular construction with the performance advantages of precision-engineered hinge and locking systems. With a wide range of configuration options and panel cladding finishes, the system allows for seamless integration into a variety of site layouts and architectural styles. Whether installed as standalone units or as part of a coordinated site-wide design, metroSTOR E-Series enclosures help create cleaner, safer and more attractive communal spaces.

Internal Bin Room Dividers

metroSTOR PBF Internal Bin Room Dividers provide a practical and durable solution for improving safety, usability and recycling performance in undercroft and internal bin store areas. Developed to reduce fire risk and prevent contamination of recycling waste, the PBF system keeps containers securely in place while ensuring clear segregation of waste streams. With easy-access apertures, intuitive signage and an open-lid design that promotes hygienic use, these dividers encourage better user behaviour and reduce side waste. The modular system is quick to specify for both new build and retrofit projects, with flexible fixing options and bespoke configurations to suit irregular layouts, all supported by a comprehensive library of CAD and BIM resources.

Covered Bin Screens

metroSTOR S-Series Covered Bin Screens provide a high-quality, architecturally-led solution for discreet and secure bin storage, particularly suited to high-density urban environments where visual impact matters. Designed to minimise footprint while maximising accessibility, the S-Series features a unique sliding cover system that allows placement directly alongside footpaths. With a choice of cladding finishes—including timber, colour-coated steel and custom laser-cut designs—the units can be tailored to complement surrounding architecture or reinforce a corporate identity. Built around a durable welded steel frame with secure locking mechanisms, metroSTOR S-Series Covered Bin Screens offer an effective and visually appealing way to manage waste in both new and existing developments.

metroSTOR PBHE
Bin Locking Enclosures

metroSTOR E-Series is the easy to specify, cost-efficient yet highly durable solution for visual screening of bin containers and plant installations.

With a steel column and fully-welded panel frame design, metroSTOR E-Series is a bolt-down modular system that compares favourably in price with traditional fencing systems, but is longer lasting, more resistant to damage and easier to use with proven, precision engineered hinge and locking systems. The design flexibility of metroSTOR E-Series facilitates single or double door positions on any elevation of the enclosure. Standard engineering design for base plated columns enables finishing groundworks to be completed in sequence without the requirement for disruptive installation of foundations. Where the combination of a non-standard lower fence height and a double gate is required then cast in columns will be specified.

metroSTOR E-Series bin screens are produced in three model types, with almost unlimited configurations available within the design framework. metroSTOR PBHE is a complete Bin Screen Enclosure system, available in 65 pre-engineered layouts from 2.4m to 4.8m wide and 2.4m to 9.8m in depth. The standard fence screen height is 2.2m with custom design specifications up to 3.6m.

In addition to custom structure heights, metroSTOR in-house design capability extends to custom footprints including irregular shapes to accommodate specific site restraints.

metroSTOR panel cladding systems makes for effective, design-led outdoor storage solutions, giving architects and specifiers the freedom to add unique style to a project. Innovations in laser-cut steel processing together with our extensive frame and cladding manufacturing knowledge, provides the freedom to recreate inspirational designs reliably and cost-effectively.

Incorporating logos, iconography and lettering using hole pattern designs in colour coated steel can contribute to the sense of place for residents where bin screens are installed in public areas. Bin store locations can traditionally attract antisocial behaviour instead of the area being used for the purposes intended and making such facilities attractive and welcoming, located where people can feel safe, will help invite proper use.

Every metroSTOR product is UK manufactured in accordance with Streetspace BS EN 1090, ISO9001 and ISO14001 accredited processes. Specifying metroSTOR E-Series Bin Screen Systems is made easy with clear website information for configurations and options, while site-wide coordination of outdoor storage units and street furniture is possible with a library of CAD blocks and BIM models available for download.

Product Capacity & Dimensions

PBHE**24**

Model	Depth (mm)	Width (mm)	Height (mm)
PBHE 24.26	2730	2720	2170
PBHE 24.32	2730	3320	2170
PBHE 24.38	2730	3920	2170
PBHE 24.44 - 24.86	*width increases by 600mm per variant*		
PBHE 24.92	2730	9320	2340
PBHE 24.98	2730	9920	2340

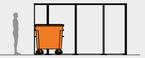
PBHE**30**

Model	Depth (mm)	Width (mm)	Height (mm)
PBHE 30.26	3330	2720	2170
PBHE 30.32	3330	3320	2170
PBHE 30.38	3330	3920	2170
PBHE 30.44 - 30.86	*width increases by 600mm per variant*		
PBHE 30.92	3330	9320	2170
PBHE 30.98	3330	9920	2170

PBHE**36**

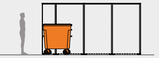
Model	Depth (mm)	Width (mm)	Height (mm)
PBHE 36.26	3930	2720	2170
PBHE 36.32	3930	3320	2170
PBHE 36.38	3930	3920	2170
PBHE 36.44 - 36.86	*width increases by 600mm per variant*		
PBHE 36.92	3930	9320	2170
PBHE 36.98	3930	9920	2170

PBHE**40**



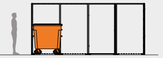
Model	Depth (mm)	Width (mm)	Height (mm)
PBHE 40.26	4230	2720	2170
PBHE 40.32	4230	3320	2170
PBHE 40.38	4230	3920	2170
PBHE 40.44 - 40.86	*width increases by 600mm per variant*		
PBHE 40.92	4230	9320	2170
PBHE 40.98	4230	9920	2170

PBHE**42**



Model	Depth (mm)	Width (mm)	Height (mm)
PBHE 42.26	4530	2720	2170
PBHE 42.32	4530	3320	2170
PBHE 42.38	4530	3920	2170
PBHE 42.44 - 42.86	*width increases by 600mm per variant*		
PBHE 42.92	4530	9320	2170
PBHE 42.98	4530	9920	2170

PBHE**48**



Model	Depth (mm)	Width (mm)	Height (mm)
PBHE 48.26	5130	2720	2170
PBHE 48.32	5130	3320	2170
PBHE 48.38	5130	3920	2170
PBHE 48.44 - 48.86	*width increases by 600mm per variant*		
PBHE 48.92	5130	9320	2170
PBHE 48.98	5130	9920	2170

Model Variants

PBHE24 The narrowest format at 2.4m depth, the Bin Screen model is available in pre-engineered widths from 2.6m to 9.8m. Multiple door locations are possible within the design format to accommodate 2 and 4-wheeled containers. Standard screen height of 2.2m with bespoke builds up to 3.6m in height available.

PBHE30 The 3.0m depth metroSTOR PBHE is available with pre-engineered widths from 2.6m to 9.8m. Multiple door locations are possible within the design format to accommodate 2 and 4 wheeled bin containers.

PBHE36 Bin Screen Systems are designed with a 3.6m depth and pre-engineered widths from 2.6m to 9.8m with multiple access door locations possible.

PBHE40 Bin Screen Systems are 4.0m deep allowing space for a double row of 4-wheeled bin containers to be stored with a central aisle. Pre-Engineered widths available from 2.6m to 9.8m and screen height of 2.2m with bespoke engineering options up to 3.6m in height. Multiple access door locations are possible.

PBHE42 Bin Screen Systems are 4.2m deep allowing space for a combination of 2 and 4-wheeled bin containers to be stored. Pre-Engineered widths available from 2.6m to 9.8m and screen height of 2.2m with bespoke engineering options up to 3.6m in height. Multiple access door locations are possible.

PBHE48 Bin Screen Systems are designed with a 4.8m depth and pre-engineered widths from 2.6m to 9.8m with multiple access door locations possible. Standard screen height of 2.2m with bespoke builds up to 3.6m in height available.

PBHE Bespoke Bin Screens are engineered from the modular metroSTOR H-Series design to suit site specific footprints, architectural considerations, the desired storage combination of bin containers to be stored and the type of access required both for residents or site users and maintenance staff.

Customise
A wide range of cladding options are available to select according to site use, architectural style and surrounding environment

Height
Standard screen height of 2.2m with bespoke builds up to 3.6m in height available

Multiple Door Locations
Are possible within the design format to accommodate 2 and 4 wheeled containers

Pre-Engineered Widths
Available from 2.6m to 9.8m

Locking Systems

Latch + Eurocylinder Lock

Latch Only

Slide Bolt + Padlock

Cladding & Finish Examples

Firenze Anthracite Grey / FR

Firenze Nordic Night Black / FR

Firenze Leaf Green / FR

Firenze Colour Powder Coat / FR

Firenze Colour Powder Coat

Firenze Freestyle Colour Powder Coat

ForestPanel SW Slat

ForestPanel Colour SW Slat

ForestPanel Iroko Slat

metroSTOR E-Series
Bin Locking Enclosures

metroSTOR E-Series is the easy to specify, cost-efficient yet highly durable solution for visual screening of bin containers and plant installations.

With a steel column and fully-welded panel frame design, metroSTOR E-Series is a bolt-down modular system that compares favourably in price with traditional fencing systems, but is longer lasting, more resistant to damage and easier to use with proven, precision engineered hinge and locking systems. The design flexibility of metroSTOR E-Series facilitates single or double door positions on any elevation of the enclosure. Standard engineering design for base plated columns enables finishing groundworks to be completed in sequence without the requirement for disruptive installation of foundations. Where the combination of a non-standard lower fence height and a double gate is required then cast in columns will be specified.

metroSTOR E-Series bin screens are produced in three model types, with almost unlimited configurations available within the design framework. metroSTOR PBLE and PBME models are single dimension models providing screening for a single row of 2 or 4 wheeled bin containers with divider frames between each and often specified as a compound design with two units facing each other.

Product Capacity & Dimensions

PBLE 140L - 240L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)
PBLE 1	1x 140L-240L	820	710	1280
PBLE 2	2x 140L-240L	820	1330	1280
PBLE 3	3x 140L-240L	920	2170	1530
PBLE 4	4x 140L-240L	920	2790	1530
PBLE 5	5x 140L-240L	920	3510	1530
PBLE 6	6x 140L-240L	920	4130	1530

PBME 660L - 1280L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)
PBME 1	1x 660L-1280L	1310	1540	1620
PBME 2	2x 660L-1280L	1310	3030	1620
PBME 3	3x 660L-1280L	1310	4530	1620
PBME 4	4x 660L-1280L	1310	6020	1620
PBME 5	5x 660L-1280L	1310	7510	1620
PBME 6	6x 660L-1280L	1310	9010	1620

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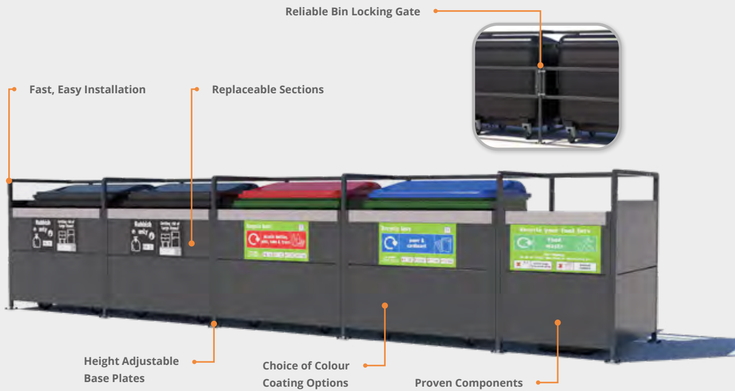
Incorporating logos, iconography and lettering using hole pattern designs in colour coated steel can contribute to the sense of place for residents where bin screens are installed in public areas. Bin store locations can traditionally attract antisocial behaviour instead of the area being used for the purposes intended and making such facilities attractive and welcoming, located where people can feel safe, will help invite proper use.

The metroSTOR PBLE and PBME Bin Screen Systems are designed to tackle bin blight with a neat, enclosed solution tailored to different container sizes. The PBLE model suits 2-wheeled bins (140L–360L), while the PBME system accommodates larger 4-wheeled bins (660L–1280L), making them ideal for both low and high-capacity waste streams.

Both systems feature a modular design with integral divider frames to keep bins upright, secure and easily accessible. Units can be configured with up to six modules in a row or enclosure layout, with options for gates, end doors and blanking panels to suit the site.

Built to last with Hot Dip Galvanised steel frames, all models are available with colour powder coating and a wide choice of cladding panels to complement the surrounding environment.



Cladding & Finish Examples

metroSTOR PBS
Covered Bin Screens

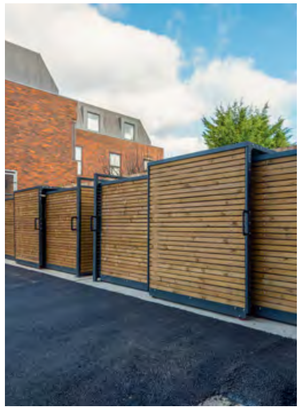
metroSTOR S-Series Covered Bin Screens are a premium architectural solution for concealing and securing waste containers, particularly in high-rise urban environments where views from upper floors are to be considered. Specified on new build and existing developments, metroSTOR PBS bin storage units are a contemporary design that can be tailored for a corporate theme or to coordinate with building fabric specifications.

metroSTOR S-Series covered bin screens are available in two sizes with capacity for two or three four-wheeled bins of up to 1280L capacity. The space required is kept to a minimum thanks to the unique interlocking sliding cover panels, allowing units to be situated directly adjacent to pathways.

Cladding systems include sustainably sourced softwood and hardwood with both vertical and horizontal fixing patterns and a variety of coloured steel cladding options.

Inspirational bin screens are made possible with custom hole pattern designs, laser cut into coloured steel cladding panels, the addition of vinyl wrap graphics and further options of integral sedum green roof. Site-wide coordination of outdoor storage units and furniture is possible with Streetspace products, made easy to specify with the library of CAD models and product specifications.

metroSTOR S-Series covered bin screens are designed around a welded steel frame that can be powder coated to any standard RAL colour. The sliding cover sections are manufactured as sectional components using a heavy duty roller-track system to allow access to the waste containers. Hook-type locking systems secure the sliding cover sections, ensuring bins cannot be accessed by unauthorised persons.



Customise
Sustainable sourced softwood / hardwood in vertical or horizontal patterns and a variety of coloured cladding options

Green Roof
Sedum green roof option available

Varying Capacities
Designed to accommodate 4 wheeled bin containers with capacities from 660L to 1280L

Product Capacity & Dimensions

PBS 660L - 1280L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)
PBS 1	1x 660L-1280L	1280	3080	1670
PBS 2	2x 660L-1280L	1280	4570	1670

Sedum Green Roof Option
This option not only enhances visual appeal but also supports the environment by encouraging biodiversity and providing natural habitats for birds and insects. Learn more about Green Roof structures on page 48.

Cladding & Finish Examples

Firenze Anthracite Grey / FR | Firenze Nordic Night Black / FR | Firenze Leaf Green / FR | Firenze Walnut Brown / FR

Firenze Colour Powder Coat | ForestPanel SW Slat | ForestPanel Iroko Slat | Firenze Freestyle Colour Powder Design

Locking Systems

Eurocylinder Lock Sliding Door

metroSTOR PBF
Bin Room Dividers

metroSTOR PBF Internal Bin Room Dividers reduce fire risk, organise waste streams, reduce side waste and promote good recycling practices in undercroft bin storage areas.

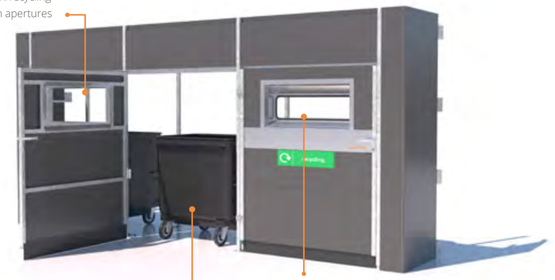
Robust and neatly styled, with easy to use waste apertures and clear signage; metroSTOR PBF units are designed for waste containers to be stored in the open position, avoiding the requirement for users to touch bin lids with the potential for discouraging correct usage. Adjustable spacer bars are fitted to ensure that all waste container varieties are filled at the front of the unit. Internal deflector plates can be fitted as an option to ensure all deposited waste is contained in the bins.

Waste stream specific door apertures restrict the items that can be placed in the waste container, avoiding the costly disposal of contaminated recycling. With modules available for two-wheel and four-wheel refuse and recycling bins, the bins are held securely in their allotted positions with adjustable spacer bars to keep them directly beneath the apertures.

Specified for new build and retrofit; metroSTOR PBF Internal Bin Room Dividers are designed to be fixed at floor and ceiling level, with floor and wall fixing options available. Custom components can be manufactured with the design system where bin rooms are of an irregular shape.

metroSTOR PBF is a modular system that simplifies the process of specifying internal bin stores and ensures that bespoke requirements are accommodated within a proven, reliable and cost effective design framework. All components of the metroSTOR PBF internal bin room dividers are available as CAD blocks and objects, enabling bin store design to be tested in the initial stages of the project.

Touch Free
Bins are stored in an open position allowing touch free deposit of rubbish/recycling through the open apertures



Varying Capacities
Designed to accommodate 4 wheeled bin containers with capacities from 660L to 1280L

Waste Stream Control
Front-load enclosure design with signage specific recycling and apertures

Product Capacity & Dimensions

PBF 660L - 1280L

Model	Capacity	Depth (mm)	Width (mm)	Height (mm)
PBF 1	1x 660L-1280L	910	1980	2300
PBF 2	2x 660L-1280L	910	3460	2300
PBF 3	3x 660L-1280L	910	4950	2300
PBF 4	4x 660L-1280L	910	6430	2300
PBF 5	5x 660L-1280L	910	7920	2300
PBF 6	6x 660L-1280L	910	9400	2300

Cladding & Finish Examples

Firenze Anthracite Grey / FR

Firenze Nordic Night Black / FR

Firenze Leaf Green / FR

Firenze Walnut Brown / FR

Firenze Colour Powder Coat

Firenze Freestyle Colour Powder Design

Locking Systems

Latch + Battery Code Lock

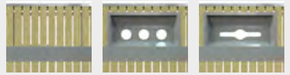
Latch + Eurocylinder Lock

Slam Latch + Triangle Key Lock

Latch Only

Slide Bolt + Padlock

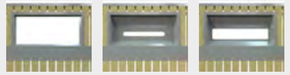
Apertures



Solid Door No Aperture

Individual Item—Hole

Individual Item—Mixed



Large Bag

Individual Item—Slot

Small Bag

metroSTOR Green Roof Structures

Green roof structures bring the enriching and enlightening natural world closer to our everyday lives while helping to safeguard our environment and its fragile ecosystems. By introducing valuable pockets of diversity into new developments, green roof structures can secure additional BREEAM or Sustainable Housing Code value. Hundreds of plant and wildlife species can be established in a few square metres, reproducing varied ecosystems in areas where the habitat has been eroded by urbanisation.

External stores are ideally suited to support green roof systems, with the lower height and simpler construction reducing construction and ongoing maintenance costs. Maintenance requirements are minimal, with an annual visit to dead-head plants and remove self-sown weed species.

As well as reducing water run-off, green roofs help to reduce the amount of CO2 in the air, with 1m2 of green roof able to absorb 5 kg of CO2 yearly. As a perspective, 1m2 of green roof can absorb the same quantity of CO2 as a regular car would emit during a 80km drive. The green plants reduce the 'urban heat island effect', helping combat the effects of pollution, absorbing noise, trapping dust, recycling carbon dioxide, absorbing and breaking down many gaseous pollutants.

Such external structures often have a significant visual impact due to their size. Specifying a green roof can help stores blend with the landscape, and improve views from surrounding buildings to create a more pleasing environment.

Green Roof Bin Stores

Bin storage areas are often challenging environments for design, with limited options for genuine value added enhancement. The facilities are often synonymous with bad odours, litter and vermin which then become hotspots for antisocial behaviour.

Providing attractively designed bin housings that are easy to use and situated in accessible locations presents developers and waste management providers with opportunities to drive real improvement. External wheelie bin stores are ideally suited to support green roof systems, with the lower height and uncomplicated construction reducing build and ongoing maintenance costs.

A green roof will also absorb heat, helping to keep the interior of the store cool thereby slowing down the bacterial process and reducing unpleasant odours. Green roofs also retain rainfall, reducing the burden on sewerage systems.

Two types of green roof can be specified on metroSTOR Green Roof Bin Stores; sedum only or sedum and wildflower. Both are lightweight systems with a steel decking liner, EPDM membrane liner, composite drainage reservoir mat, the growing substrate and finally the pre-planted mat. The sedum only type uses a mineral wool substrate, and a mixed sedum turf while the sedum and wildflower requires a greater depth of growing medium to support the wildflower species.

Green Roof Construction

Structural Design
Green roof structural design and manufacture in accordance with requirements of BS EN 1090 EXC2 from mild steel section with hot-dip galvanised finish.

Roof Deck
Green roof structural deck is constructed from full-length trapezoidal profile steel sheet with double sided zinc and paint finish.

Waterproof Liner
Single sheet EPDM liner which is 100% synthetic and UV resistant with excellent puncture resistance protected by the geotextile membrane.

Root Membrane
A geotextile lining sheet preventing any damage to the waterproof liner during installation or establishment phases.

Drainage Reservoir System
A double-sided drainage and reservoir layer made from recycled plastic, which allows high levels of water retention and buffering in hot weather with rapid drainage in wet periods.

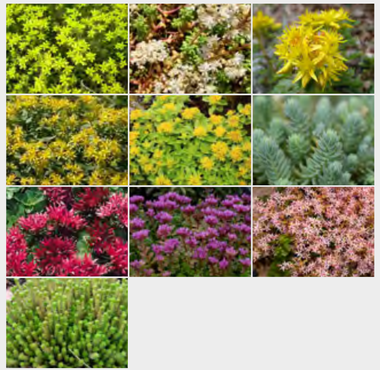
Green Roof Substrate
A growing medium made of virgin rock mineral wool fibres specially needled to form a 40mm deep compact and dimensionally stable felt, ensuring excellent water retention and conservation.

Sedum-mix Blanket
A pre-grown vegetation mat specifically designed for green roofs, sown with a blend of sedum plant varieties to provide extended interest and colour throughout the flowering period. Sebaceous sedum plants are adept at storing water in their leaves and are therefore extremely suitable for varying weather conditions.

Eaves Detail & Rainwater Systems
Formed in galvanised steel sheet with a structural profile to support the membrane system and retain green roof build up. Optional powder coated finish available. Pre-formed gutter profile allows excess water to be released from the composite reservoir.

Sedum Only Roofs

Sedum-only green roof structures use a sedum turf, which can contain eight or more of the species below. This type of green roof uses a mineral wool substrate, resulting in a very light weight roof. Sedum-only green roofs are drought tolerant with minimal maintenance requirements.



Sedum & Wildflower Green Roofs

Sedum and wildflower green roof structures use a turf, which in addition to 8-10 types of sedum, contains many of the wildflowers, herbs and flowering perennials listed below. The drought tolerant sedum provides year-round cover, while the wildflower element has a prolonged flowering period, typically from April-September. The lightweight blended growing medium supports additional species. Maintenance requirements are slightly higher than sedum only with dead growth removal required at the end of the flowering season.

metroSTOR®
Case Studies

A selection of our case studies.
Select each square to view the full case study.

1

metroSTOR FX
LB of Lambeth & ReLondon

This Lambeth estate trial saw the installation of 35 metroSTOR FX food waste housings to boost recycling in flatted properties. Designed for hands-free use, the units helped drive a 152% rise in recycling rates and a 45% drop in food waste within the residual waste system, with residents praising the cleaner, more accessible bin areas.

2

metroSTOR FX
Ravenscraig, Fife
Read the case study on page 22

3

4

5

metroSTOR PBM & PBL
Southmead, Bristol

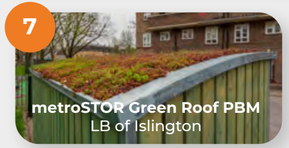
As part of a trial, Bristol Waste Company and Bristol City Council worked with metroSTOR to install a mini recycling centre using secure bin housings. Featuring local artwork and clear signage, the units aim to boost recycling and reduce contamination in the residual waste system. A code-lock and 24hr CCTV help prevent fly-tipping and ensure appropriate use.

6

metroSTOR PBM
Brentford Towers LB of Hounslow

As part of its post-Grenfell fire safety strategy, Hounslow Council decommissioned refuse chutes in six 22-storey blocks at Brentford Towers, replacing them with external metroSTOR bin housings. Designed to reduce fire risk and improve recycling, the new system was backed by resident consultation and a targeted engagement campaign. The result has been cleaner communal areas, reduced antisocial behaviour, and a significant rise in recycling volumes.

7



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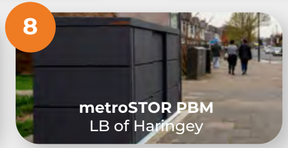

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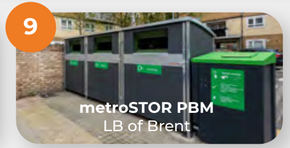
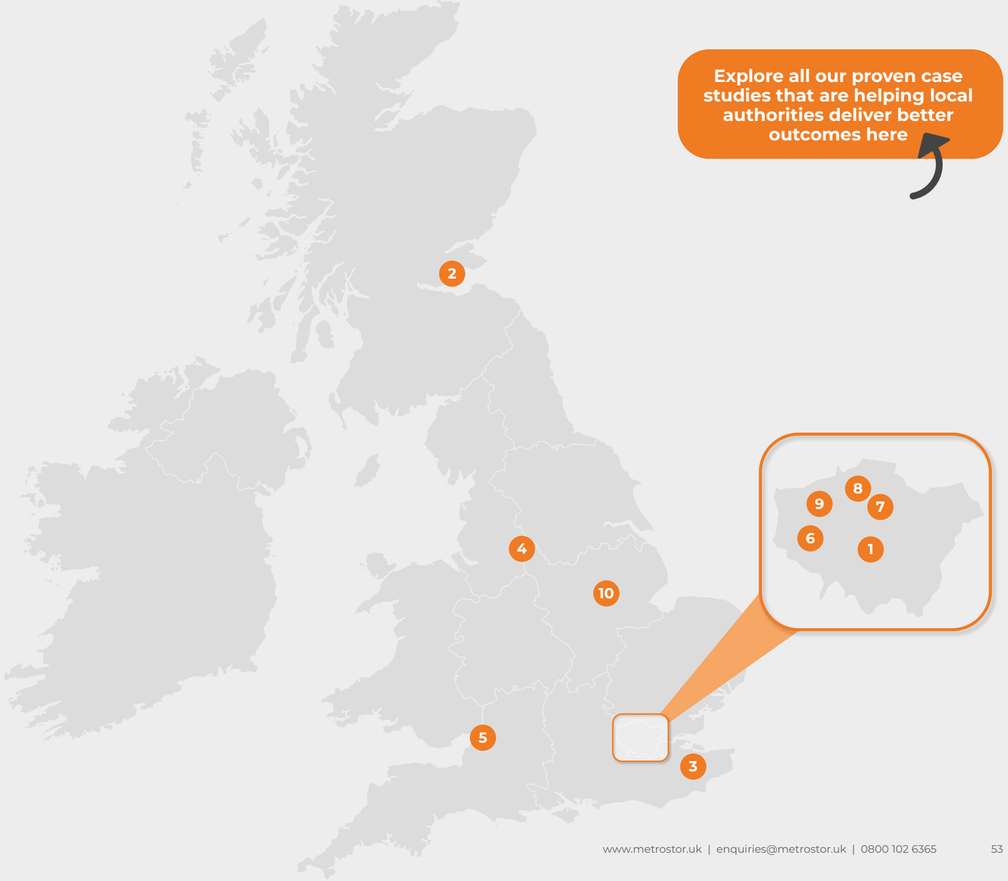


10

metroSTOR PBM
Lincoln, Lincolnshire
Replacing refuse chutes with external waste and recycling hubs.

Explore all our proven case studies that are helping local authorities deliver better outcomes here



About metroSTOR

Accelerating the shift towards sustainable communities, our product systems deliver on the metroSTOR Safer Neighbourhoods, Cleaner World methodology; reducing fire risk and waste costs, while improving local environments and helping deliver sustainability targets.

Developed to withstand the rigours of the urban street scene, over 15,000 metroSTOR external storage units have been installed over the past decade, earning a reputation for rock-solid durability and proven effectiveness.

Working closely Local Authorities enables our continuous product development programme to respond directly to evolving sector challenges. From the outset it was clear to the founders of metroSTOR that a 'one size fits all' mantra would not work in such a varied environment and this way of thinking has created one of the most comprehensive range of surface and below ground waste and recycling storage solutions in the world.

metroSTOR bin stores secure waste and recycling safely, preventing bin fires from spreading. Designed for ease of use with clear signage and strong colour coded visual messages, our bin housings make the identification of correct bin containers simple, increasing recycling rates and reducing contamination of waste streams. Keen advocates of communal street bins for those hard to reach locations that include multi family, on street and flats above shops, metroSTOR specialist consultants bring years of experience in the design of bin enclosure facilities to help residents successfully recycle, carefully specified to ensure successful operation.

Greener forms of travel such as e-bikes, e-scooters and mobility scooters are central to today's urban communities and metroSTOR secure external storage and charging facilities are designed to reduce fire and theft risks for personal mobility devices.

Our Safer Neighbourhoods, Cleaner World methodology has made us passionate believers in wise investment strategies that improve the quality of life in our communities, in turn becoming successful generators of sustainable social, economic and environmental outcomes. In our experience, inadequate storage facilities invariably have a negative impact on physical and mental well-being, whether this be the daily trip to the bin-store with its overflowing bins, vermin and antisocial elements or having nowhere to store buggies, bicycles or personal mobility devices safely. These are the challenges metroSTOR products resolve every day.

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