DURABASE

BUILDING FOR THE FUTURE

www.durabase.co.uk | 01432 266507

WHAT IS DURABASE?

The system
A tried and tested modern alternative to the old style building techniques. Durabase floor and walling systems provide a fast and efficient way to build without the amount of mess and disruption caused by traditional builds.

How does it work?
Durabase insulated steel bases speed up groundwork as you don't need to dig large footings, reducing waste and mess on site. Every Durabase base is used with either concrete pads or ground screws and can be combined with the Durabase modular walls for a fast and efficient build.

The best part?
Everything is delivered in kit form, ready to assemble so no large amounts of concrete, bricks or building equipment are required unlike with traditional methods!

BUILDING FOR THE *FUTURE.*

QUICK

Our foundation base construction, allows any conservatory or ground floor single storey home extension to be built quickly and easily on concrete pads or ground screws. Once a steel frame base has been installed, real brick modular walls can be put together in a matter of hours. Durabase can also be used with glazed walls or other lightweight SIP / Timber wall systems.

EASY

The pre-fabricated steel frames, concrete pads and ground screws require minimal excavation, making the installation easy and less messy than traditional brick foundations. Uneven or sloping sites and difficult site access are easily overcome with Durabase.

CLEAN

Durabase arrives in kit form and the only foundations required are a number of concrete pads or ground screws placed at strategic points around the base. This means far less excavation work and waste material to dispose of compared to other methods.

CHEAPER

The use of expensive plant machinery and skips is often reduced greatly or not required at all. Potentially avoid the need for expensive relocating of manholes or drains.

VERSATILE

Durabase can be used alongside other wall systems and SIP / Timber wall panels giving you complete flexibility.

GUARANTEED

A 10 year guarantee gives you peace of mind with Durabase and what's better still is that this is standard across all our products.

QUALITY. OVER EVERYTHING.

Our business mantra is quality and it runs throughout our products. Our manufacturing process, at our purpose built factory in Hereford, creates everything for the Durabase base and modular wall sections.

With difficulty finding trades, the cost of waste disposal and everything in society getting quicker, homeowners want fast, efficient construction with minimum disruption to their lives. Durabase offers bespoke, off-site, steel framed modular foundation and wall systems, for easy handling, even in the narrowest of terraced houses.

Your bespoke Durabase kit arrives on site in one delivery and can be installed in less than a day, ensuring projects are quick and easy to manage, minimising the risk of delays.

10 YEAR GUARANTEE

TRADING SINCE 1986

EXCELLENT ENGINEERING

A bespoke steel base and a real brick modular wall

STROMA APPROVAL

A leading building inspection company

10 YEAR GUARANTEE

On all our products for peace of mind

Product	Suitable for	Base U-Value	Concrete pads	Ground screws	Durabase Wall	Full Height Windows	SIP Walls	Timber Walls	Brick & Block
Durabase 50	Conservatories & Garden Rooms	0.5	✔	✔	✔	✔	x	x	x
Durabase 100	Extensions in England & Wales	0.18	✔	✔	✔	✔	✔	✔	x
Durabase 120	Extensions in Scotland	0.15	✔	✔	✔	✔	✔	✔	x

DURABASE BASES

A steel foundation system, consisting of a steel outer ring beam and internal joists, fabricated by our engineers to millimetre precision to meet your specification.

Choose the perfect base:

DURABASE 50

Designed for a typical conservatory or premium garden room. Designed to be used with the Durabase modular wall system or full height glass panels.

Base U-Value of 0.5 | 50mm Base Insulation | 18mm P5 Chipboard Flooring.

DURABASE 100

Designed for ground floor single storey home extensions, the Durabase 100 is pre-approved for Building Regulations in England and Wales by Stroma. It is compatible with most prefabricated wall systems including the modular Durabase wall system.

Base U-Value of 0.18 | 100mm PIR Base Insulation | 22mm P5 Chipboard Flooring and 9mm ply.

DURABASE 120

Designed to offer greater insulation than the Durabase 100. This level of insulation is designed to meet Scottish Building Regulations. It is compatible with most prefabricated wall systems including the modular Durabase wall system.

Base U-Value of 0.15 | 120mm PIR Base Insulation | 22mm P5 Chipboard Flooring and 9mm ply.

GROUND SCREWS

Durabase seamlessly integrates with ground screws, providing unmatched stability even in poor ground. Not only does this ensure a rock-solid foundation, but it also streamlines the building process, saving both time and resources.

CONCRETE PADS

Durabase can also be used with concrete pad foundations, which require a lot less digging out and create a lot less waste than a traditional foundation. Concrete pads must be minimum 450mm x 450mm square and depth will vary, depending on ground conditions and Building Regulation requirements.

DURABASE 50

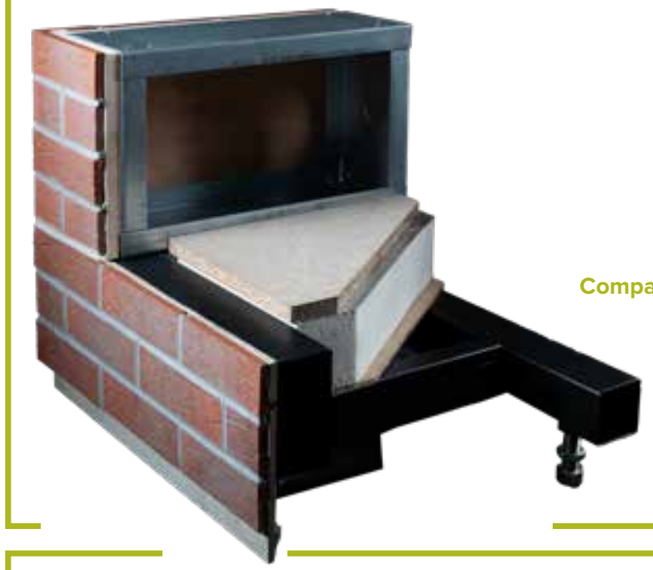
Durabase 50, is an 80 x 80 steel ring beam, designed for a typical conservatory or garden room situation where the external house door is remaining in place, and not connected to the houses heating system. This is our longest standing product which has not changed much since the early days.
The Durabase 50 base can also be used with the Durabase modular wall system, either dwarf wall or full height wall, which is built to your customers' requirements. You design exactly where the windows, doors and other features are fitted, every base is fully bespoke.

- Base U-Value of 0.5
- 50mm Base Insulation
- Suitable for conservatories or premium garden rooms*

*This base is suitable for premium garden rooms rather than any shed / garden room.

DURABASE 100

Durabase 100, is a 160 x 80 steel ring beam, designed specifically for ground floor single storey home extensions and is the only steel modular base with Stroma systems approval. Durabase 100 bases meet building control requirements in England and Wales. The Durabase 100 is compatible with the Durabase modular wall system plus other SIP or wall systems and a variety of roof systems which are Building Regulations approved making the construction and building of any home extension quick simple and hassle free.



- Base U-Value of 0.18
- 100mm Base Insulation
- Compatible with SIP & other wall systems
- Suitable for extensions

DURABASE 120

Durabase 120, is a 160 x 80 steel ring beam, designed specifically for ground floor single storey home extensions in Scotland. With 20mm more insulation than the Durabase 100, Durabase 120 has a U-Value of 0.15 which meets building control requirements in Scotland. It can be used with full SIP or timber frame walls and glass or the Durabase modular wall which also meets Scottish Building Regulations and is compatible with a variety of roof systems which are Building Regulations approved, making the construction and building of any home extension quick simple and hassle free.

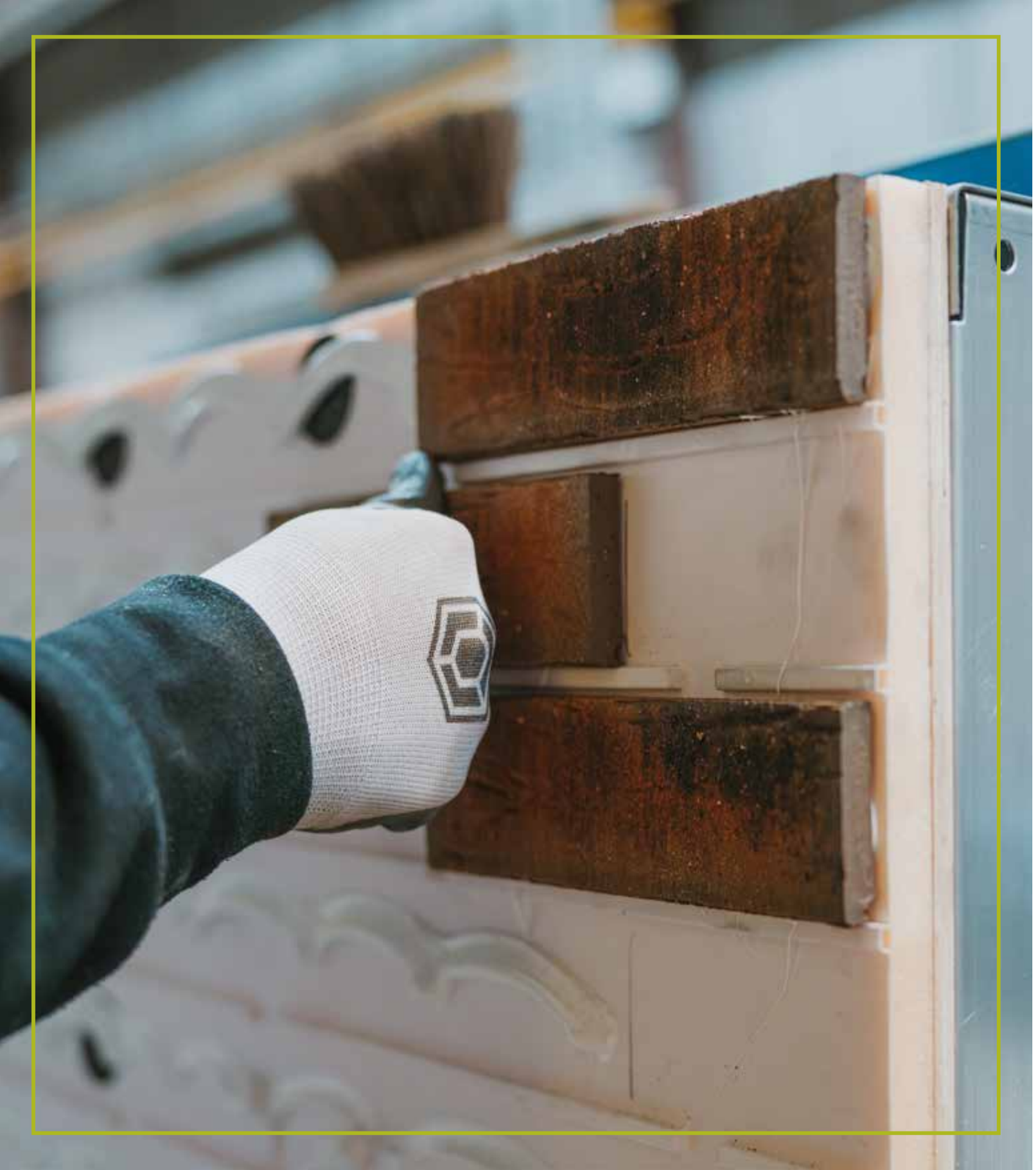
- Base U-Value of 0.15
- 120mm Base Insulation
- Compatible with SIP & other wall systems
- Suitable for extensions

DURABASE WALLS

Durabase walls are part of a modular, prefabricated foundation and wall system designed for building conservatories, ground floor single storey home extensions, and garden rooms. They are built off-site in our factory with a steel frame and real brick facings added before delivery to site. This system offers a quicker, cleaner, and more cost-effective alternative to traditional building methods, as it reduces on-site labour, waste, and mess by minimising labour and delivering pre-built sections. Ask to see our brick chart for our extensive range of brick choices and finishes.

- Can achieve U-Values as low as 0.17*
- Prefabricated panels
- Wide range of brick choice & finishes

*Walls 0.17 when used with a 53mm insulated plasterboard on the inside.



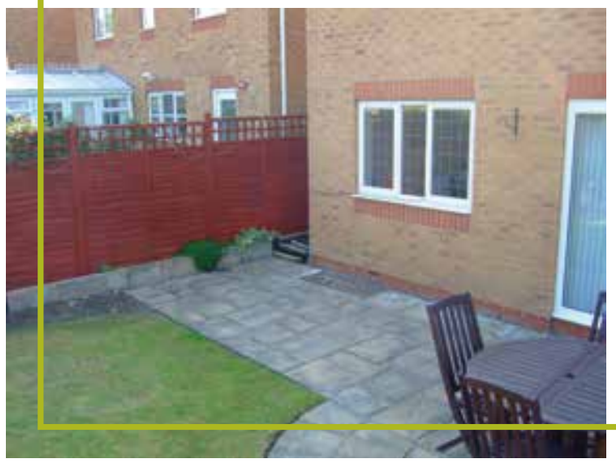
DURABASE WALLS

These are pressed galvanised modular units, which can be finished in a wide range of bricks, render ready or plain particle board for the finish of your choice, and all in manageable individual units. The wall units are compatible with any Durabase base. We have a wide range of brick choices available:

BRITANNIA RANGE

Ask to see our full brick chart for the full range.

HOW DOES IT WORK?



1. Choose the site

Choose the site for the extension or conservatory. Durabase can be installed anywhere, even on a sloping site.*

2. Install the concrete pads or ground screws

Install the concrete pads or ground screws as per the pad or screw plan supplied. **Note the lack of mess and disruption to the garden!**

3. Attach the steel

Attach the back cill to the house wall, build and level the base using the adjustable legs.

4. Fix the skirt

Attach brick skirt and modular wall to steel base by fixing the bridging tiles in place.

5. Build the brick wall

Position the wall sections as shown in the plan provided. When secure, finish by placing the spare bricks into place and mortar.

6. Finished!

Once the walls have been built, lay insulation and flooring; then erect the conservatory or frames and roof then complete internal finishes.

*requires accurate site surveys & occasional planning permission. Please speak to our team for more information.

YOUR QUESTIONS ANSWERED.

INSTALLATION

How does the base arrive?

The Durabase arrives in individual lengths ready to be assembled on-site, it has already been fully assembled in the factory to ensure everything is in working order. The modular walls come in small sections pre-bricked and ready to assemble - perfect for sites with limited access.

How long does it take to install?

This depends on the installer's experience and the size of the building. We have previously sold a base that was assembled and fitted before our delivery driver returned to the workshop! All bases and walls have extensive assembly instructions which will help to avoid any issues. A base with concrete pads / ground screws already prepared can be fitted in under one day. The walls and skirt can usually be done within a day.

Can I install this myself?

If you're confident with building or are an experienced DIYer, you should have no difficulty installing a Durabase system yourself. Our step-by-step instructions allow you to break the job down into manageable stages. However, if you have any doubts, we recommend consulting a local builder for advice and support.

What kind of foundations does it require?

You can use either concrete pads or ground screws alongside a Durabase.

Will it cause a mess in my garden?

Using a Durabase reduces the mess considerably in comparison to traditional methods.

What if I have a sloping garden?

The Durabase system can be designed around a sloping garden up to 1.5m. The majority of jobs will not come close to this maximum.

Do you deliver to site?

Yes, we deliver directly to the site with either our wagons or a carrier company, depending on your location and our transport availability.

THE PRODUCT

How much excavation is required?

It depends on the site conditions. If you have a drop of 150mm from your back door, you may require a small amount to be taken away. Some sites have a larger step down and do not need much excavation. If you are using ground screws, this can again reduce the amount of excavation in comparison to concrete pads.

Does it need an air gap under the base?

Yes – the base is a suspended floor system that requires a minimum of 150mm clearance from the top of the back cill. Not all jobs will require the ground to be dug out if they have clearance already.

What kind of roof can be used with this system?

Any roof is able to be used alongside the Durabase system. Make sure you specify the roof type at order to ensure we have accounted for your requirements.

How warm is it?

It's as warm as a traditional system. We have to pass the same thermal requirements as a traditional system, so Durabase has a great thermal rating.

Does it pass Building Regulations?

Yes - Durabase 100 and the modular wall system all meet Building Regulation requirements in England and Wales. Durabase 120 meets Scottish Building Regulations too. The Durabase modular wall meets Building Regulations across the UK.

How realistic is the brick finish?

We take pride in offering a brick finish that looks and feels remarkably close to traditional brickwork — most people can't tell the difference, even up close. With a wide range of brick options available, we can match your existing property as closely as possible. Ask to see our brick chart to explore the options.

Can I get a firewall?

Yes! Please specify where you require a firewall on the quote form, and we will ensure the wall is constructed to the correct standard.

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