



Handover & Maintenance

**Maintain & preserve the life of
your Littlethorpe shelter**

Care and maintenance are an integral part of bus shelter ownership. Littlethorpe shelters are designed to keep these costs to a minimum.

Scope of Work

A supply & deliver contract. Fully finished hardwood bus shelter(s) were delivered with a crane lorry to your site. The shelters were received and installed by your contractors.

COSHH

No chemicals or substances have been supplied that are covered by COSHH regulations.

Lifting Beam Holes

A set of pre-sprayed hardwood dowels is supplied with each shelter to enable the installer to plug the lifting beam holes (near the top of each post) after installation.

Cleaning

Clean the glass with glass cleaner like any other window. The woodwork can be cleaned with glass cleaner or with soap and water. Repeated use of abrasive or strong chemical cleaning materials will reduce the lifespan of the wood stain.

Warning

Do not pressure wash the shelter as this may cause damage to the finish. Test any chemicals in an unseen area before use.

Glazing

Your shelter has been designed to make replacing glass simple; without the need for specialist tools. Contact us if you need advice regarding re-glazing.

General Guarantee

All of our shelters are guaranteed for five years against being kicked in or burnt down. Littlethorpe will either repair the shelter or supply a new one free of charge.

Exclusions apply, including vehicle strike, and damage to glazing. Any new shelter will not include transportation to site or re-installation. Please see our website for full terms and conditions.

Heavy Duty Glass Guarantee

Fitted at extra cost, our 15mm toughened glass is guaranteed for one year against breakage. Should the glass get broken, Littlethorpe will either replace the glass or refund the full cost of the glass (at our option). Visit our website for full terms and conditions.

5 Year Guarantee

If your new shelter is damaged beyond repair by vandalism, we don't think the community should suffer. Our shelters are guaranteed for five years against being kicked in or burnt down.

Tough Glass Cover

When you upgrade to toughened 15mm glass, we cover each pane against any breakage for one year.

Removing Graffiti & Algae

Suitable graffiti remover can be used on the shelter, check compatibility and test in an unseen area first. Repeated use or vigorous scrubbing of graffiti remover may damage or remove the stain. Littlethorpe recommend using as little graffiti remover as possible.

Do not use the graffiti remover on plastic glazing unless the graffiti remover is compatible (there are brands designed for this purpose). Graffiti can also be removed from plastic glazing with "T-Cut". This is a mild abrasive paste sold in car accessory shops for rubbing out small scratches on car paint work; it works the same way on plastic glazing.

Algae will grow on most things that are outside all year round, particularly if there is vegetation nearby. Treat unwanted algae with moss and algae remover as per the chemical manufacturer's instruction. Test any chemical in an unseen area before use. We recommend the use of "Di-Ard" brand moss and algae remover. Use as per manufacturer's instructions.

Vegetation

This may need cutting back around the shelter. Hedges and trees over a period of several years can grow over the top of the shelter. Sight lines (the line of sight needed by a bus passenger to see the bus coming) can be reduced quite dramatically, often unnoticed because it happens slowly. We recommend checking the vegetation every 6 months. A reference photo of the shelter at the time of installation is advised.

Scratches & Carvings

Scratches or carving, should they occur, can usually be sanded out. Light scratches, not going below the depth of the wood stain, can be sanded back and the area re-stained.

Deeper scratches into the wood can be treated by first removing the stain with paint stripper from a defined area, sanding back (with a power sander for deeper damage) and then re-staining that section. Damaged seats can be removed, planed down and put back. In this situation please contact us for advice.

Redecorating

Your new shelter will eventually need re-staining. The intervals between re-decoration vary according to how exposed the location is; usually one end of a shelter is more exposed than the opposite end. Frequent graffiti removal will also shorten the life of the stain. It is unusual to need to re-stain the whole shelter at the same time.

Adequate pre-preparation and sanding of timber should be carried out prior to staining to ensure a consistent finish.

Follow product instructions for staining. Rub down gently between coats when dry with fine sand paper (180 grit or finer).

Recommended Products

We recommend using "Sikkens" brand of wood stain because of its high performance, both in durability and good visual appearance.

To stain directly onto bare wood, use the base coat "HLS Dark Oak 009".

For the top coat use "Filter 7 Dark Oak 009".

The "HLS" and "Filter 7" ranges can be bought over the counter at reputable retail outlets, the "BL31" range from trade stockists.

For shelters built pre-2011, please contact us for specific stain recommendations.

Operating Instructions for LED Lighting

If 240-volt LED lighting has been supplied, the wiring for this equipment will terminate in a locking metal fuse box under the seat. The shelter would then require a 240-volt power supply to operate the light, which would need to be supplied and connected to the fuse box under the seat by a qualified professional.

RCBO & MCBO fuses are in the box but not wired, ready to be connected. The key for the box will have been delivered to the site as part of the shelter delivery.

The LED lighting system has a PIR motion sensor next to the LED light. Both are mounted in a hardwood block fixed to the ceiling. There is also a day/night sensor fixed to the locking metal box.

When live, the system operates by detecting daylight (or lack of) thus switching on the light at a dim level when it gets dark.

The motion sensor then brings the light to full brightness when passengers are in or near the shelter, returning to a dim level a few minutes after the shelter has been vacated.

To check the system during daylight hours for mains powered lighting, cover the daylight sensor. For solar powered systems, a magnetic sensitive block is incorporated inside the locking metal box. Place a magnet next to the block to test if lighting is functioning correctly.

If solar powered lighting has been supplied, there will be solar panels on the roof and a large locking metal box under the seat which houses the battery and control box.

The LED light, motion sensor and the way the system works is as above apart from the solar panels, which replaces the function of the day/night sensor.

The 100 amp/hour battery will need to be replaced approximately every five to seven years and the solar panels will require occasional cleaning (with glass cleaner or soap & water) to prevent a build-up of grime from impeding the efficiency of the panels.

The life of the solar panels is 10 to 15 years. The solar lighting system turns itself off between 11pm & midnight to save power.

Operating Instructions for Wiring for RTPID Boxes

If wiring for 240-volt RTPID has been supplied, it will terminate in a locking metal box under the seating. This will have MBO and RBO fuses in the box but will not be wired.

For the RTPID information system to become live it will require a 240-volt power supply which would need to be installed by a qualified professional.

The RTPID display boxes are supplied and fitted by the system manufacturers, who will fit the box, wire their system and be responsible for the ongoing maintenance of their equipment.

Littlethorpe will have fitted fixing points in the shelter ceiling for the RTPID display boxes to hang from, and also a wedge shaped block on the ceiling to counter the slope on the underside of the shelter roof. On the ceiling the RTPID wiring terminates in a small metal terminal box which is to be discarded when the RTPID box is fitted.

Unit 2, Pinfold Road,
Thurmaston, Leicester
LE4 8AT

01162 603 777
sales@littlethorpe.com

littlethorpe.com

For more information or support,
please get in touch via our website.