

SAFESITE^{LIMITED}

 A KEE SAFETY COMPANY



Fall Protection Specialists

ABOUT SAFESITE

Safesite offers a complete range of height safety and health & safety solutions, all designed to cater for individual requirements and budgets. For example we can provide a simple one off service such as the **Supply Only** of a product or **Recertification** of an eyebolt, or offer you a complete service starting with an on-site **Survey** including drawings, photographs and budgeted system to determine your requirements, followed by **Design, Installation**, annual **Recertification** and staff **Training**.

Safesite is part of the Kee Safety Group, a leading global supplier of fall protection solutions and safety railing systems.

COMPETENCY

When it comes to health & safety, especially specialised areas such as work at height, it is essential that you only use a competent company.

Safesite's recruitment within the construction and health & safety industries means we have a professionally qualified team of technicians, surveyors, installers, engineers and health & safety practitioners. The company is continually vetted by industry affiliations who consider every aspect of our performance including staff professionalism, products and services, environmental impact and health & safety record. Safesite is also involved with key industry bodies such as the HSE, Construction Health & Safety Group, WAHSA and the BSIF. The company also represents the BSIF on the Advisory Committee for Roof Safety and the BSI as their principal expert on European Committees. All this enables us to be aware of any forthcoming changes or announcements relating to legislation, standards or products before they become public knowledge.



WHY SAFETY IS IMPORTANT

Health and safety is about preventing people from being harmed by work or becoming ill through work. Each year around 200 people are killed at work and several hundred thousand are injured or suffer ill health. The most common cause of absence due to sickness is from aches and pains such as back problems while falls from height is still one of the main causes of death. Health and safety law applies to all businesses however small. It covers full-time and part-time employees, temporary or permanent, the self-employed as well as members of the public and contractors.

The Health and Safety at Work etc Act 1974 is at the heart of UK health & safety law and sets out the general principles of health and safety compliance. The Act describes what duties employers have towards employees and members of the public, as well as what duties employees have to themselves and to others.

The Work at Height Regulations 2005 apply to virtually all industrial sectors and relate to all work at height where there is a risk of a fall liable to cause injury. These Regulations place a duty on employers, the self-employed and any person who controls the work of others to do all that is reasonably practicable to prevent anyone from falling.

Failure to comply with health and safety law is an offence and can lead to prosecution, particularly since the introduction of the Corporate Manslaughter and Corporate Homicide Act 2007.





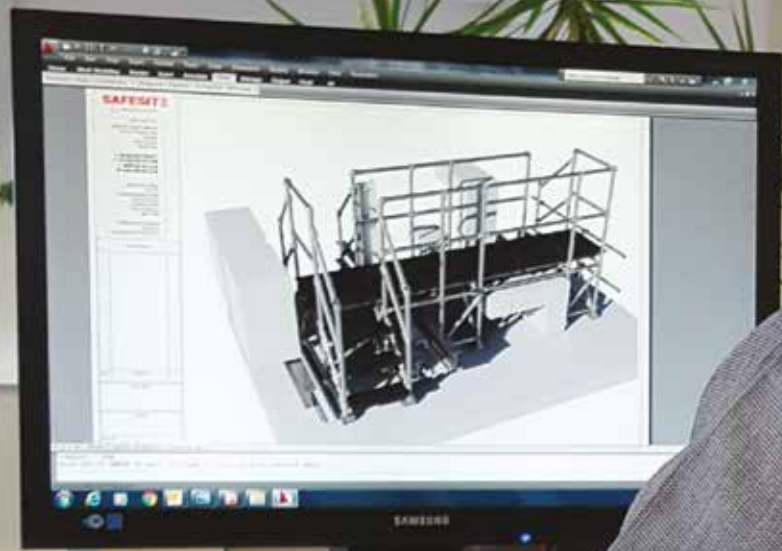
WORK AT HEIGHT SITE SURVEY & REPORTS

Safesite's qualified surveyors are able to carry out professional site surveys to help companies comply with legislation and to determine the best solution for specific requirements.

Our **Free Site Surveys** are ideal for buildings with a small roof area and include a single page report, outlining our recommendations together with photographs, drawings and a full costing for the suggested solution.

Commissioned Surveys are ideal for large or multiple sites and can help to establish what work is required in order to prepare budgets and gain approval from management and/or the finance department. Following the survey(s), Safesite provides a comprehensive report including relevant legislation, description of the areas surveyed, digital photographs, layout drawings, risk assessment of each area surveyed and a detailed cost analysis. A summary report is also produced, prioritising the suggested work for reference.





WORK AT HEIGHT DESIGN & INSTALLATION

Once a site survey has been completed or we have received site drawings/photographs, our Technical Department will prepare a detailed and cost effective solution for each situation. The recommended solution will include any applicable wind calculations and take into account the structural design of the building and the likely loads applied by the solution and those using the system. Safesite's Contracts Department will then organise the complete installation including delivery, access, Safesite operatives and any additional works such as roofing/cladding repairs that may be required.

RECERTIFICATION

Once equipment has been installed it must be maintained and examined at least once a year as outlined in BS 7883 and BS EN 365. As part of its recertification service, Safesite's qualified engineers will not only assess roof safety equipment such as lifeline systems and guardrails, but will also inspect and certify all PPE used in conjunction with this equipment, including lanyards and harnesses and carry out individual training on the equipment provided.

SUPPLY ONLY PRODUCTS

There may be times when you wish to install a system yourself, or use your own contractors. When it comes to Supply Only, Safesite offers a range of products at extremely competitive prices with the added benefit of support and assistance from our experienced Technical Department. Where relevant, site specific layout drawings and wind speed calculations are provided free of charge as is a complete O&M manual covering the assembly, installation and recertification requirements of the product.





FREE STANDING GUARDRAIL

The KeeGuard® range of freestanding guardrail systems has been designed specifically to provide permanent edge protection for areas where regular access for maintenance and inspection is required.

The range has been developed to suit specific requirements and includes the standard design with vertical legs, raked and radiused systems, as well as a collapsible version for areas where a more discreet form of protection is required.

Each system is based on a simple cantilevered design which provides unrivalled strength, stability and safety and overcomes the problem of having to drill and puncture the roof membrane which can lead to potential water damage and noise disturbance during installation.

The systems comprise galvanised tubing joined together using the “Kee Klamp” method of connection and can be supplied in steel or aluminium and powder coated if required. Counterweights are made from 100% recycled PVC and are designed for ease of handling and speed of installation.

All base plates have fluted rubber matting bonded to the underside in order to protect the roof membrane. Additional protection may be required depending on the roof membrane. In these instances it is recommended that sacrificial pads are placed under components which come into contact with the roof membrane.

All Safesite's free standing guardrail systems have been tested to EN 13374





PORTABLE ROOF EDGE PROTECTION

KeeGuard® Premium provides an innovative and unrivalled approach to guardrail systems and is ideal for roofs with limited space such as where solar panels have been installed.

Designed as a modular, free standing system, a key benefit of KeeGuard® Premium is that it does not require counter weights along the full run of the system. This provides the ideal solution for areas where traditional counter weights are unsuitable or potential trip hazards are a concern.

The system is suitable for both permanent and temporary applications on roofs and features unique two part interlocking recycled base weights. These weights can be split to allow a single person to carry the weight or be carried complete by two people using the moulded handles.

KeeGuard® Premium is fully tested to EN 13374





EDGE PROTECTION FOR CLADDED ROOFS

KeeGuard® Topfix provides collective roof edge protection specifically for metal profile and standing seam roofs up to 45°.

Pitched cladded roofs have traditionally been protected using personal fall protection systems which are lower in the hierarchy of control ranking.

The new collective roof edge protection system features a base plate with multiple fixing centres which is fixed directly to the profile sheeting via rivets or non-penetrative two-part clamps. This unique plate design allows the system to be fitted to a wide range of profile sheet centres.

The plate also provides the support for the vertical standard leg which can be adjusted from 0° to 11°. The horizontal rails are then simply fitted to the open saddle fittings to provide a complete collective solution.

This roof edge protection system has been tested to EN 13374





SELF CLOSING SAFETY GATES

Safesite's Kee® Gate range of Self Closing Safety Gates is ideal for protecting access and egress on rooftops and in industrial environments. Each safety gate is spring loaded so it automatically closes behind the user. This overcomes the potential for human error that is often associated with traditional forms of protection such as chains or bars where incorrect usage can lead to the creation of a hazardous void,

The Kee® Gate range has been independently tested to ensure the gates comply with international standards such as EN 13374 and EN 14122 Parts 3 and 4.

GUARDRAIL KITS FOR LADDER ACCESS POINTS

The KeeGuard® Ladder Kit combines KeeGuard® edge protection fixed either side of an existing fixed ladder with a Kee® Gate Self Closing Safety Gate to provide safe access onto roofs for maintenance and inspection purposes.

The kit has been designed specifically to provide a 'retro-fit' solution to existing cat/fixed ladders and has been independently tested & CE approved to BS EN 14122-4. Fixing is quick and easy, the kit has been developed to simply clamp on to the existing ladder. The unique fitting which connects the guardrail to the ladder has been designed to clamp around both flat and tubular stringers with a maximum diameter/width of 75mm.





Pallet Gate Range

Safesite's Kee Pallet Gates have been designed specifically to allow goods to be moved safely up or down from mezzanines or raised working surfaces.

The range is easy to install or retro-fit to guardrails and barriers where openings need to be protected such as on mezzanines in warehouses and logistics centres. Each gate is counterbalanced for a positive open and close action, adding to the gate's ease of operation.

Kee® Gate pallet gates are fully adjustable in width and are available in four different models to accommodate the type of operation required





DEMARICATION

Safesite's high visibility, maintenance free Demarcation System is ideal for providing demarcation around plant, equipment and fragile materials or as an economical solution to guardrail, providing it is placed at least 2m from the roof edge.

The system is compact making it portable and easy to assemble. The unique post design with a heavy duty PVC base weighing 11kg prevents the system from falling during severe weather conditions. Safesite's Demarcation System is further enhanced by a high visibility, two colour, polyurethane chain which links between the support posts.



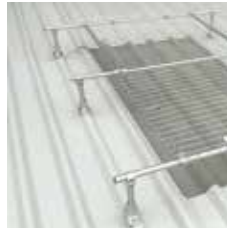


ROOFLIGHT & SKYLIGHT PROTECTION

The Kee Dome® is a modular system designed specifically to prevent falls through rooflight. Recycled PVC bases lock the posts into position around the perimeter of the rooflight. Kee Klamp fittings and standard length tubes (1.5, 2.0, & 3.2m) are used to construct a rigid frame around the rooflight.

Where building aesthetics are a concern, the Kee Dome® Mini provides a less obtrusive solution due to its low height. This product can be used on rooflights from 1.2m x 1.2m up to 1.8m x 1.8m. This version features smaller recycled PVC bases, tubes and fittings to construct a rigid frame around the rooflight.

NOTE: Polycarbonate/non fragile rooflights are only deemed to be 'non fragile' during the construction phase of a project. After the construction phase they are considered to be fragile.





FRAGILE ROOF PROTECTION

Our range of fragile roof access equipment is ideal for providing short term protection for work on fragile or industrial roofs. The range has been specifically designed for use on fragile materials and provides users with safe, easy to assemble working platforms.

Board-Walk

A portable open mesh walkway which provides access from the eaves to ridge by spreading the weight across the support battens.

Mobile Valley Frame

A Lightweight portable frame with mesh side panels which allows the user to move freely along valleys, northern lights and box gutter details on fragile roofs.

Roof-Walk

A fully guarded rolling work platform mounted onto twin tracks with enables workers to move freely up and down the roof.





BESPOKE ACCESS PLATFORMS AND STEP-OVERS

Our range of Bespoke Safe Access Platforms and Step-Overs allow safe access to areas where off the shelf fabricated platforms or other systems such as ladders or towers are not appropriate.

Safesite can design and manufacture bespoke access platforms for either mobile or static use. Platforms are modular in design and available in aluminium or steel using Kee Lite® and Kee Klamp® fittings to provide an extremely secure, robust, corrosion resistant platform. Working up to a maximum height of 3 metres, the platforms include guardrail, toe-board, and steps and a gate if necessary to ensure safe working at height or safe access around plant and machinery.

Using off the shelf fittings also allows the platforms to be delivered and constructed quickly and easily, with minimal disruption on-site.





ROOF TOP STEP-OVER KITS

Suitable for use on a variety of roof types and surfaces including concrete, membrane, metallic and composite, Kee Walk® Step-Overs are available in kit format, supplied flat packed with full assembly instructions to allow quick and easy installation.

Designed in accordance with EN 14122-3 for assured safe operation, the kits are built using Kee Klamp fittings with either nylon or aluminium Kee Walk treads to provide an anti-slip walking surface.

Available in 5 standard off-the-shelf kits to accommodate clearance heights of 600mm, 800mm, 1000mm, 1200mm and 1400mm the kits have a 1m landing and are delivered pre-assembled. Each kit includes a double handrail and toe-boards for added safety, a choice of nylon or aluminium treads and base feet options to suit different roof types.





KEE WALK SYSTEM

Working on roofs can be extremely dangerous, especially in wet or wintry conditions.

The Kee Walk® System provides an anti-slip, level, walking surface for safe access to and across roofs. It provides a demarcation route which protects the roof membrane from unnecessary foot traffic and potential damage.

Ideal for use on flat, barrel and sloping roofs, the system's step and traverse options allow access to be created for virtually any roof configuration from 0° to 35°. The system can either be free standing or fixed to the roof covering and features an open tread design to ensure water drains away efficiently.

The modular system provides a simple approach by using standard pre-assembled 1.5 & 3m lengths and standard stair treads of 625mm long by 225mm wide. The unique rotating cam arms allow the stair units to be easily adjusted to the correct angle to ensure a regular rise and going.

The Kee Walk® Walkway System is fully compliant to BS 4592 and test to EN 516 : 2006 Prefabricated Accessories for Roofing – Installations for roof access – Walkways, treads and steps.





HORIZONTAL LIFE LINE

The KeeLine® System is the ideal solution to providing fall arrest protection where guardrails are not suitable or for when a virtually invisible solution is required.

The fall protection system provides complete and continual “handsfree” protection for up to three operatives when used as a fall arrest system. When a bracket is encountered, the traveller connecting the operative to the system simply glides over the bracket without the need to detach from the fall protection system.

KeeLine® incorporates PAS (Progressive Absorbing System), making the system’s design totally unique. The shock absorbers, intermediate brackets and support posts are designed to deploy and deform should an operative fall, thus reducing the loadings applied to the building’s structure to below 10kN.

Skylight Protection

Kee® Cover range of roof light protection has been designed specifically for use on metal profile roofs and provides effective protection without blocking the light into the building.

Kee® Cover is component based for transport to the roof and assemble on site. Standard mesh panels are supplied 2m long and 1m wide and sit onto the metal frame which is constructed from Kee Klamp® fittings. 2m or 1m long by 1m wide extension panels are available for larger roof lights and skylights. Kee® Cover is available in two formats, one which sits virtually flat on the roof surface, and one which is mounted onto small legs to raise it above the roof light or skylight.





abbey

DAF

OVERHEAD LIFE LINE SYSTEMS

These fall protection systems are ideal for situations where overhead protection is required, such as vehicle loading, machine maintenance and access, building maintenance and cleaning and overhead crane access.

KeeLine® Overhead

KeeLine® Overhead has been designed to provide overhead fall protection for up to two users. The system features a permanently attached two wheeled traveller which passes smoothly over the intermediate brackets, even when the user is attached to a fully extended inertia reel. KeeLine® Overhead can be configured to allow single or multiple spans of up to 24m in between supports and is designed with a higher pre-tension than the standard KeeLine® system to reduce line sag and cable deflection. KeeLine® Overhead has been independently tested to the requirements of EN795 Class C

Hercule

Hercule has been designed as a horizontal fall arrest/goods carrying enclosed track system, tested to the requirement of EN795. The system caters for low ground clearance instances where conventional fall arrest solutions would not work, making it ideal for installation in industrial environments, warehouses, loading bays and vehicle/aircraft maintenance workshops.

Hercule's enclosed track system, which incorporates a lightweight trolley with sealed bearings, allows workers to move freely and operate totally 'handsfree' along the length of the system. The system's trolley mechanism has the further important benefit of preventing V deflection and/or the pendulum effect in the event of a fall which can often be a problem with conventional horizontal lifeline systems.





VERTICAL FALL ARREST

Safesite's **Railok** has been designed to provide operative safety when accessing structures such as masts, gantries, silos and ladders. This track based system allows the operative to move freely on the structure, but if they are to fall, the fall would be arrested and they can then simply adjust their footing.

Safesite's **Cabloc** has been developed for areas where wind loading prevents the use of Railok or for instances where a track system would hinder the general use of the system. The system is based on a vertical tensioned cable system which is clamped to the top of the ladder with an impact indicating shock absorber. An arrester device with a double cam-brake is connected to the cable and via a karabiner to the operative's harness.

NOTE: All fall arrest & PPE equipment must be regularly inspected and re-certified in accordance with BS EN 365 Personal Protective Equipment against falls from height – General requirements for instruction for use and marking.





MOBILE MAN ANCHOR

Safesite's Mobile Man Anchor has been specifically designed to provide short term safety for low frequency operations where guardrails are not provided, such as for maintenance of flat roofs or plant & equipment installed at roof level.

Currently the lightest unit on the market (just 12 weights in both wet & dry conditions), Safesite's Mobile Man Anchor is extremely compact, portable and easily assembled. The anchor weights are supplied with suction cup rubber boots which protect the roof and increase frictional resistance, enabling the anchor to be used on all roof membranes, even in wet weather.

Safesite's Mobile Man Anchor should, as far as is reasonably practical, only be used as a fall restraint system as opposed to fall arrest. The anchor should only be used as a fall arrest system as a last resort and after careful consideration. In this situation, the unit must be used in conjunction with a shock absorbing rope grab device. When used in fall arrest, it is a legal requirement to have a rescue policy and plan in place.

LINKED MOBILE MAN ANCHORS

A series of Mobile Man Anchors can also be linked using the KeeLine® System. This provides fall restraint protection for operatives while they travel between each Mobile Man Anchor and fall arrest once they are disconnected from the lifeline and connected directly to an individual anchor.

This type of installation is ideal if a freestanding solution is required in order to avoid roof membrane penetration, or the roof design is not suitable for structural fixings associated with horizontal life line installations.





ANCHORAGE SYSTEMS

External works often require access from inside a premises as well as from the outside, for example, window cleaning or minor maintenance operations. In these cases, eyebolts, roof anchors and ladder restraints are the most common and user friendly solution to ensuring operative fall arrest safety.

EYEBOLTS

Cleaning windows may expose the window cleaner to potential fall risks. In these instances Class A1 anchorage points such as eyebolts would offer the best solution. Safesite's range includes standard eyebolts for use in brick, concrete and masonry as well as a removable, unobtrusive option which enables the eyebolt to be concealed by a flush fitting cover for more prestigious installations.

Eyebolt specification should only be undertaken by a competent person as specified in BS 7883 in order to ensure that the correct eyebolt is used for the given structure. Re-certification of the product must also be carried out in accordance with BS EN 365.





LADDER RESTRAINTS

External window cleaning and general maintenance operations often require the use of ladders as a means of access. Statistically over 50% of accidents involving ladders occur due to ineffective means of securing and where the duration of work is 30 minutes or less.

Generally ladders should only be used as a means of access and not as a working platform. It is essential that three points of contact are maintained and overstretching must be avoided. Where a ladder over 6 metres long will be needed, suitable points for tying or fixing the ladder should be provided.

Permanent Ladder Restraints are the ideal solution for where frequent ladder activity occurs. The stainless steel “J” bolt is resin fixed into the structural floor slab or wall. A webbing strap with a hook at one end is then connected to the “J” bolts while the webbing free end is threaded through the ratchet straps that are connected to each style of the ladder. The system is then tensioned. The operative is now able to climb the ladder and use a short webbing/rope lanyard wrapped around a rung and connect to a fall arrest harness via a karabiner. This provides the third point of contact and leaves both hands free to carry out the work.





WORK AT HEIGHT RESCUE

Where work at height involves a 'fall arrest' situation, it is a legal requirement for the employer/building owner to provide the anchorage point, a rescue plan, policy, training and equipment to complete a rescue. It is not the responsibility of the emergency services to conduct such a rescue.

Safesite's Rescue Kit is an effective yet simple system which comprises a dedicated rescue hub and simple rope grab device which attaches onto the casualty's existing line. This enables the casualty to be either raised or lowered gradually to a place of safety.





PPE

Safesite provides an extensive range of PPE products including harnesses, shock absorbing and restraint lanyards, karabiners, snap hooks, ropes and rope grabs, all designed to ensure complete safety when working at height.

There is a vast selection of PPE products on the market today. When choosing a product it is important to remember that only CE marked PPE will have been tested and certified by an independent body and so comply with the Personal Protective Equipment Regulations.

It is essential that the combination of CE approved PPE is selected by a competent person in order to provide a safe system of work.

Please visit www.safesiteonline.co.uk to see the full range of PPE and safety products available to buy online.





TRAINING & CPD

Safesite provides on-site height safety product and system toolbox talks as well as a range of RIBA and IOSH accredited health & safety courses including Work at Height, Ladder Safety and Rescue. All courses are run by experienced safety practitioners who are City & Guilds qualified teachers.

Safesite also runs both online and office based CPDs which are designed to provide all those responsible for either construction or maintenance of a building with a clearer understanding of the dangers related to work at height.

Further information on Safesite's training courses & CPDs can be found at www.safesite.co.uk



SAFESITE^{LIMITED}



A KEE SAFETY COMPANY

Safesite Limited
Safesite House
Priestley Way
Crawley
West Sussex
RH10 9NA

www.safesite.co.uk

T +44 (0) 1293 529977

F +44 (0) 1293 531166

E info@safesite.co.uk



Fall Protection Specialists