

approved installer

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rail solutions



note:
<low-res logos



Uniline Safety Systems - A Brand You Can Trust

Uniline Safety Systems are a world leader in the design and manufacture of fall protection systems, offering workers across a broad spectrum of work places comprehensive protection through simple to use, continuous, hands free safety products.

Uniline Roofsafe and UniRail complement Uniline's existing range of cable based fall protection systems, by offering safety professionals, building owners, designers and specifiers well engineered, functional height safety solutions that do not compromise aesthetics in modern building designs. As well as complementing building façades, the UniRail System also provides solutions to more specific safety issues, such as where the ground clearance required to arrest a fall is minimal.

Specification & Design

Successful safety system design requires early input from trained safety professionals. Uniline's team is on hand to provide you with design input, identifying system layouts, fixing detail, structural suitability and discussing how the system will be utilised. This is an important feature of Uniline's product offer and it ensures that system designs are both safe and practical, providing complete functionality for future users.

For architects, Uniline can provide technical drawings and specification details to help with the inclusion of its products in building specification documents and tenders.

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Local design assistance, site visits, installation and training is facilitated by our network of Approved Contractors, all of whom are trained and audited by Uniline to ensure our end-user customers receive the best possible service.



The UniRail System is a rigid, extruded aluminium rail system that provides an extremely aesthetically pleasing and functional solution to modern fall protection problems. The system provides a continuous attachment where a fall hazard exists via a four wheel attachment carriage. The system can be used as a proactive restraining system for multiple users, as a fall arrest system for two users and as an abseiling system for such activities as window cleaning.

The modern UniRail System has been designed to facilitate ease of installation and to allow for thermal expansion and contraction during seasonal temperature variations. This is achieved by way of anchorages that when fixed to a structure allows the rail to float.

The UniRail System can be formed to accommodate changes of gradient and direction in both axes of the rail extrusion, facilitating changes in direction and ensuring continuous attachment and total functionality.

Uniline offer two types of UniRail fixing system and specialist fixing applications can be accommodated following consultation.

Concealed Fix

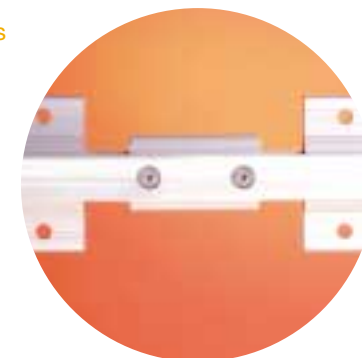
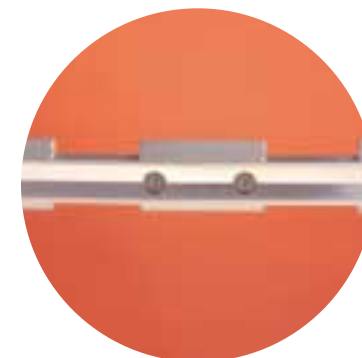
The Concealed Fix System loses a little installation simplicity to greater aesthetic appeal. The anchorages and joints of the system can be fixed to the structure so that the fasteners cannot be seen. The anchorages are fitted to the structure before the rail is slid into position.

Slide Fix

The Slide Fix System provides maximum installation flexibility because the fasteners are left exposed. This means that the anchorages can be slid onto the rail and the whole rail section, including the anchorages can be offered up to the structure, for marking, drilling and fixing. For system maintenance and inspections, the fasteners remain exposed enabling maintenance engineers to conduct pull out tests or check that torque settings remain at the correct level.

Applications

The UniRail Systems can be used to provide a safety solution for a wide variety of access problems, such as window cleaning, vehicle access, gutter cleaning and specialised access problems such as water treatment tanks and other cylindrical vessels or structures. The UniRail System can also be used as a suspended access system.



Safety needn't compromise aesthetics



Key Features of the System Include:

- Roofsafe is the only direct to roof rail system that can facilitate changes in direction and roof slopes, eliminating the need for messy looking swing fall posts, anchor points and ropes
- A patented Roofsafe Be-Lay System eliminates swing fall hazards from the gable ends of roofs, whilst maintaining complete user functionality and fall arrest capability for hazards such as roof lights
- A four wheel attachment carriage runs effortlessly along the extruded aluminium rail, making the system extremely user friendly
- The light weight modular rail system comes in 2.5m sections, making it easy to transport and handle on site
- Even load distribution through the fixing system ensures complete safety in the event of a multi-user fall without damaging the integrity of the roof system

The Roofsafe Rail System is the very latest in fall protection technological development. The extruded aluminium rail system can be retro-fitted to built up and composite metal pitched roof systems and a variety of standing seam roof systems, providing an extremely aesthetically pleasing safety system. Roofsafe can be used to facilitate roof inspections, routine maintenance, gutter cleaning, access to roof plant and any number of other roof top work procedures.

The Roofsafe System eliminates many common hazards associated with cable based fall protection systems and other roof mounted rail systems, including swing fall hazards, cable fretting, cable tension, cable deflections and passing intermediate cable supports. This makes Roofsafe an extremely safe, extremely functional safety solution.

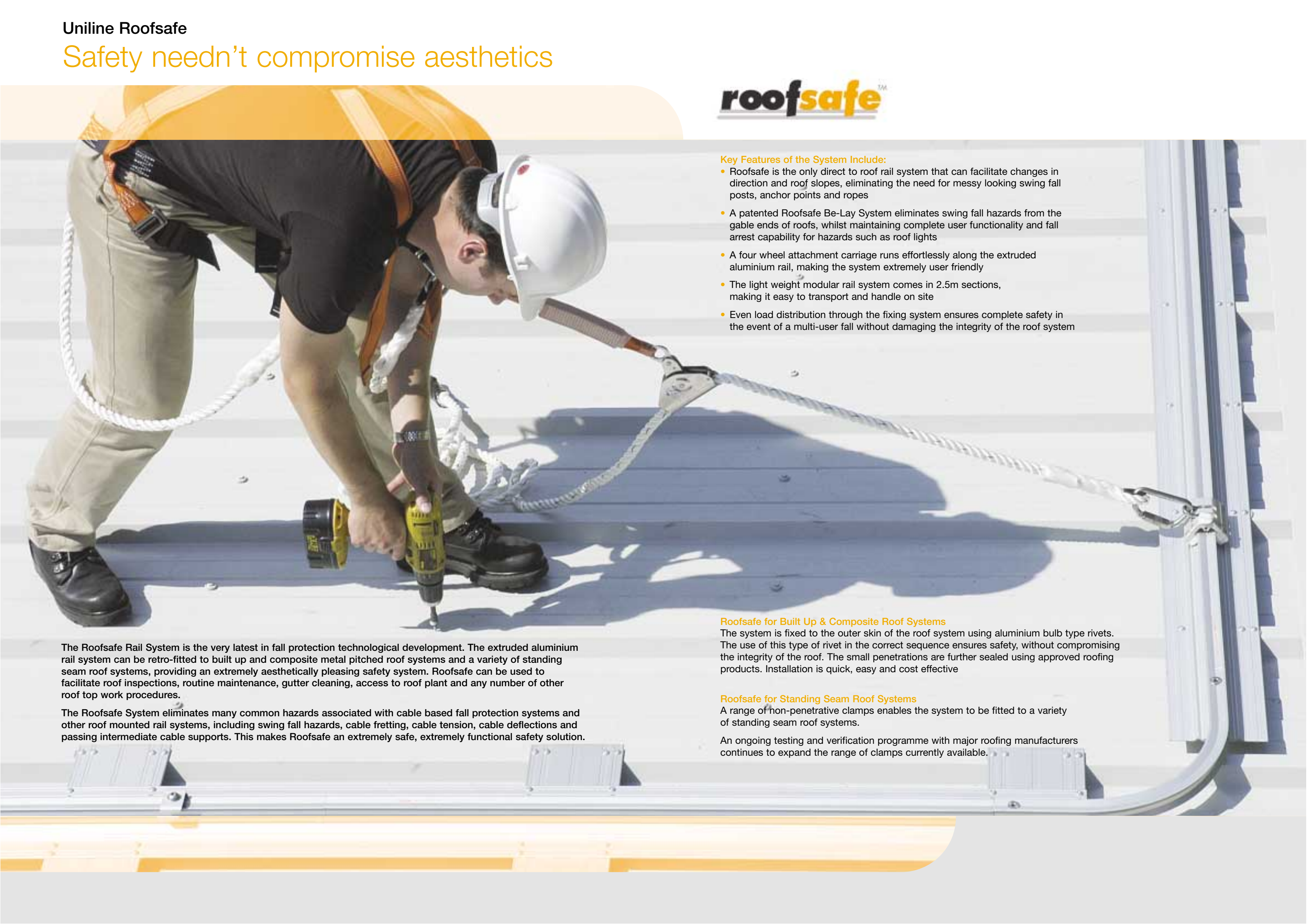
Roofsafe for Built Up & Composite Roof Systems

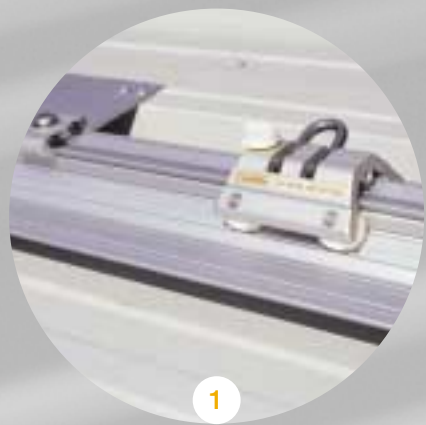
The system is fixed to the outer skin of the roof system using aluminium bulb type rivets. The use of this type of rivet in the correct sequence ensures safety, without compromising the integrity of the roof. The small penetrations are further sealed using approved roofing products. Installation is quick, easy and cost effective

Roofsafe for Standing Seam Roof Systems

A range of non-penetrative clamps enables the system to be fitted to a variety of standing seam roof systems.

An ongoing testing and verification programme with major roofing manufacturers continues to expand the range of clamps currently available.





Key Components

1. Base Plate

The base plate's unique profile facilitates ease of installation and directs water away from fixing points. Standard lengths are 2.5m.

2. Spreader Plates

The spreader plates incorporate the same fixing features as the base plate and facilitate fixing of the system upslope to a variety of roof systems.

3. Rail

The rail profile allows the smooth passage of the attachment carriage, comes in 2.5m lengths and is slid into the base plate during installation.

4. Corners

The Roofsafe System is available with 90 and 45 degree corners as standard as well as ridge and valley system joints to allow continuous attachment.

5. Ends

Left and right hand ends finish the system, prevent accidental carriage detachment and manage fall arrest loads at the ends of system.

6. Attachment Carriage

The 4 wheel carriage, which is common to both Roofsafe and UniRail can be left permanently on the rail or removed for storage. A parking facility makes it ideal for work positioning activities. The carriage's design allows it to glide easily along the system no matter what the angle of take off.

All components are made from extruded 6082 T6 Aluminium, Anodised Silver, AA25 marine grade specification. All stainless steel parts are manufactured from grade 316 and electropolished for high corrosion resistance.

Personal Protective Equipment

Uniline provide a wide range of safety equipment for use with the Roofsafe System. This includes the unique Roofsafe Be-Lay System, which prevents falls from the gable ends of roofs.

Roofsafe and UniRail Systems are CE Marked and conform to EN795 class D anchorage devices.

Quality & Support

When selecting a safety system for your building or structure, you need to feel certain you are providing a well engineered and totally safe solution to future access requirements, giving you peace of mind. Uniline go to great lengths in the design and development process to ensure that the products you buy are robust, functional and cost effective. UniRail and Roofsafe have been developed in conjunction with Hadrian IYE Ltd, a safety rail manufacturer with 20 years' experience. Uniline and Hadrian's abilities complement each other ensuring that our customers receive the best possible levels of service and support.

All Uniline products are manufactured using the highest quality materials. Extensive use is made of marine grade stainless steel and aluminium, ensuring long term durability and user safety. Products are rigorously tested to conform with and exceed International Fall Protection Standards such as EN795, OSHA, CSA and AS/NZS and are certified by a UCAS Approved Test House in the UK. All components used in Uniline Systems undergo a 100% visual and functional inspection and critical cast components are 100% X-Ray and Die Penetration Tested. Traceability is achieved through batch or individual serial numbering. Uniline operates an ISO9000:2000 Quality System.