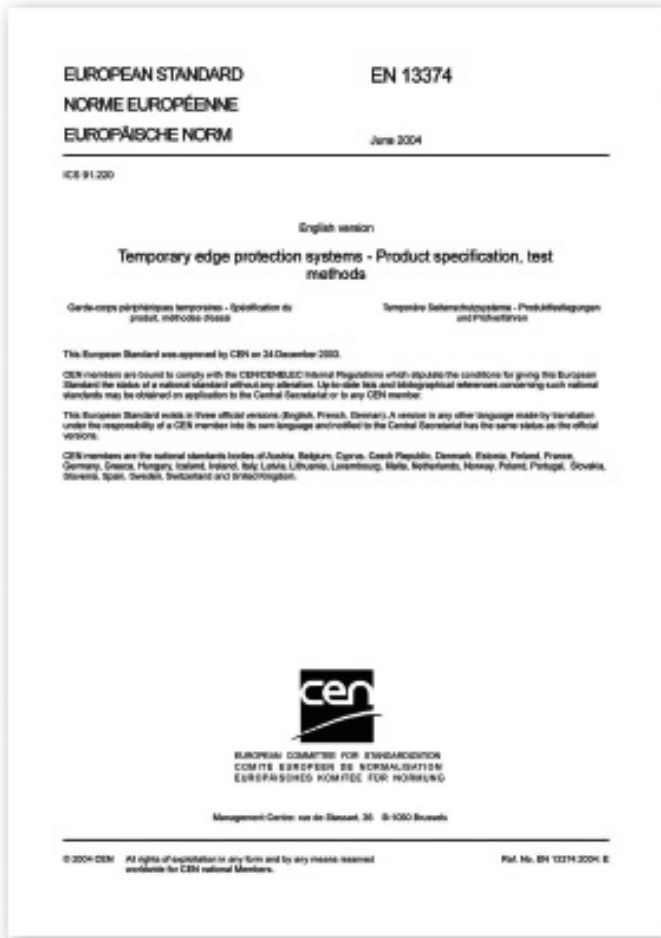




Net Barrier System

A flexible edge protection solution
for roof construction





Regulations and Standards

The Net Barrier System has been rigorously tested to confirm its performance envelope, application limits, and its compliance with the European Standard.

Full performance information is available within the user instructions and on the training courses.

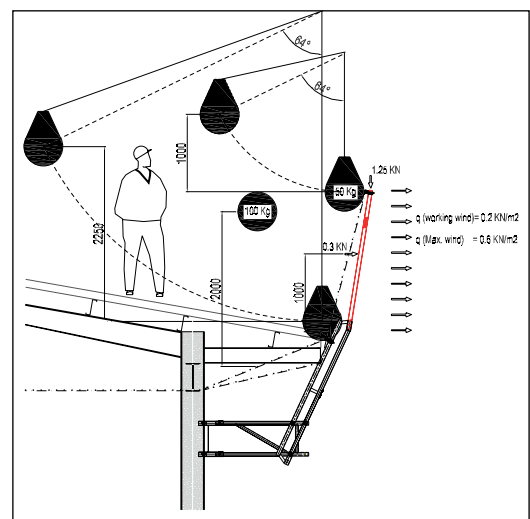
100mm mesh System S safety nets to EN 1263-1 are used as standard. The system is designed to accommodate extreme wind loads, and the combined working and wind loads required within the standard.



Combisafe International

As the leading developer of innovative safety solutions, Combisafe has introduced revolutionary new products to the construction industry for over 30 years, specialising in customised and complex engineering solutions.

Its extensive range of products and components provide integrated system solutions for most building applications. The Net Barrier System is the latest of these innovative system solutions.



Net Barrier System

The increasing bay sizes, greater eave heights, and a movement towards curved standing seam roofs on steel framed structures, when combined with the generally accepted improvisation culture within edge protection, have raised serious questions about the performance of existing edge protection solutions.

Two events have produced dramatic change in this area of work: The publication of a European Performance Standard for Temporary Edge Protection, and the launch of the Net Barrier System from Combisafe International.

The European Standard sets specific technical performance criteria for all Temporary Edge Protection systems, irrespective of height, span, or the material from which they are made.

The Net Barrier System satisfies these criteria, offering a flexible edge protection solution to all manner of roof construction and, when combined with the internal safety netting, provides a confident cocoon within which the roofer can operate in complete safety.





Features and Benefits

- Spans up to 10m between intermediate supports in its standard form, readily accommodating the large bay sizes common in modern warehouse construction.
- Covers large overhangs of over 1.5m which are increasingly apparent on today's roofs, combining the fall arrest needs of the overhang with the edge protection provision.
- Ensures a feeling of security and confidence within the roofers, and restricts their ability to operate outside their agreed method statements.
- Roofers can no longer access the roof as they wish, but must use the described access points built into the Net Barrier system for both men and materials.
- Not only protects the roofers from falls, but also offers a high degree of material containment and protection for those working below. This is of particular importance when working near roads, railways, airports and in areas with public access.



- Available from most safety netting contractors alongside the internal safety nets which results in a single temporary works provider and a single point of contact, easing site management communication and increasing both flexibility and reactivity.
- Designed to be connected to the internal safety nets, thus providing a complete cocoon within which the roofer can work in safety.
- Small individual component size makes the system easy to transport and also easy to install in complex access locations.
- Readily handled by one person, lifted within a MEWP basket, and can be installed at extreme height such as on the front edge of Stadia roofs.
- Clearly documented training and proof of competence, inspection procedures, traceability, and quality control as is required for all safety critical equipment.





Applications and Arrangements

The Net Barrier System is hugely flexible in its range of roof applications. It will readily follow the curves of standing seam roofs and simultaneously accommodate extended curved canopies, steep valley gutters, long verge overhangs, and both inboard and trim line gutters. The system is extremely adaptable and can accommodate a range of attachment details and base materials, including Steel "I" beam sections and square hollow sections, concrete columns, and timber.

There are a range of intermediate component assemblies to cover various steel configurations, sizes, and overhangs. There are flexible solutions to both internal and external corner arrangements, and there are various "stop ends" to ensure the system can operate satisfactorily when the full perimeter is not available for rigging.

There are also a number of methods for permitting access through the Net Barrier at pre-determined points, using stair towers and access platforms, or even ladder towers.

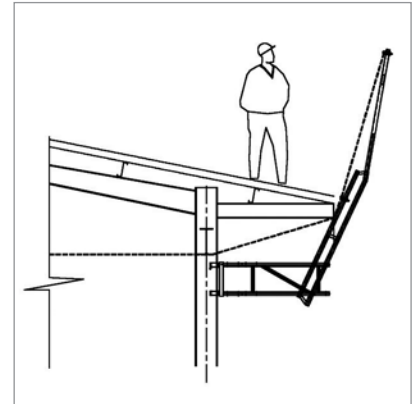
Component Arrangements:



1 External Corner Arrangement with Brace Tubes and Top Tube



2 External Corner Arrangement with low level braces to allow overhang.



3 Intermediate Post Arrangement with Strap Attachment and Cantilever Truss Beam



Many other component attachments are available, together with a large range of bespoke solutions through the Combisafe technical department.

Eave overhangs up to 1600mm are easily covered.



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