

## The ABC of EN 13374, Temporary Edge Protection Systems

### ¥ Product Specification and Test Methods

Until now, there has been no single point of reference for the performance and requirements for Temporary Edge Protection for the construction and maintenance of buildings.

This European Standard specifies these requirements for three different classes of edge protection.

The relevant Class for each application is chosen, based upon the inclination of the surface being protected, and also on the level of containment required.

The spanning requirements of the edge protection are dependent on the available structure, and this can also have a bearing on the Class chosen.

### Class A

### Class B



### Class C

### ¥ Product Specification and Test Methods

¥ Temporary Edge Protection Standard EN 13374: Overview by Combisafe

¥ Application for each Class

¥ General Requirements all Classes

¥ Performance Requirements

¥ Marking, Labelling, and Instructions

## The ABC of EN 13374, Temporary Edge Protection Systems

- **Temporary Edge Protection Standard EN 13374: Overview by Combisafe**

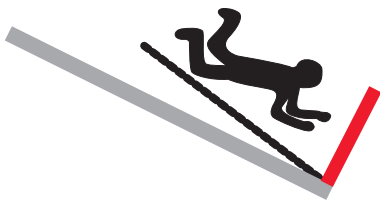
The new European Standard specifies the requirements and test methods for Temporary Edge Protection Systems for use in construction or maintenance of buildings and other structures for flat and inclined surfaces.

It sets out three classes of edge protection:

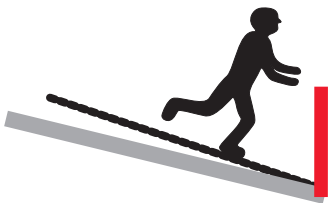
### Classes

### Informative Annex for Application Range

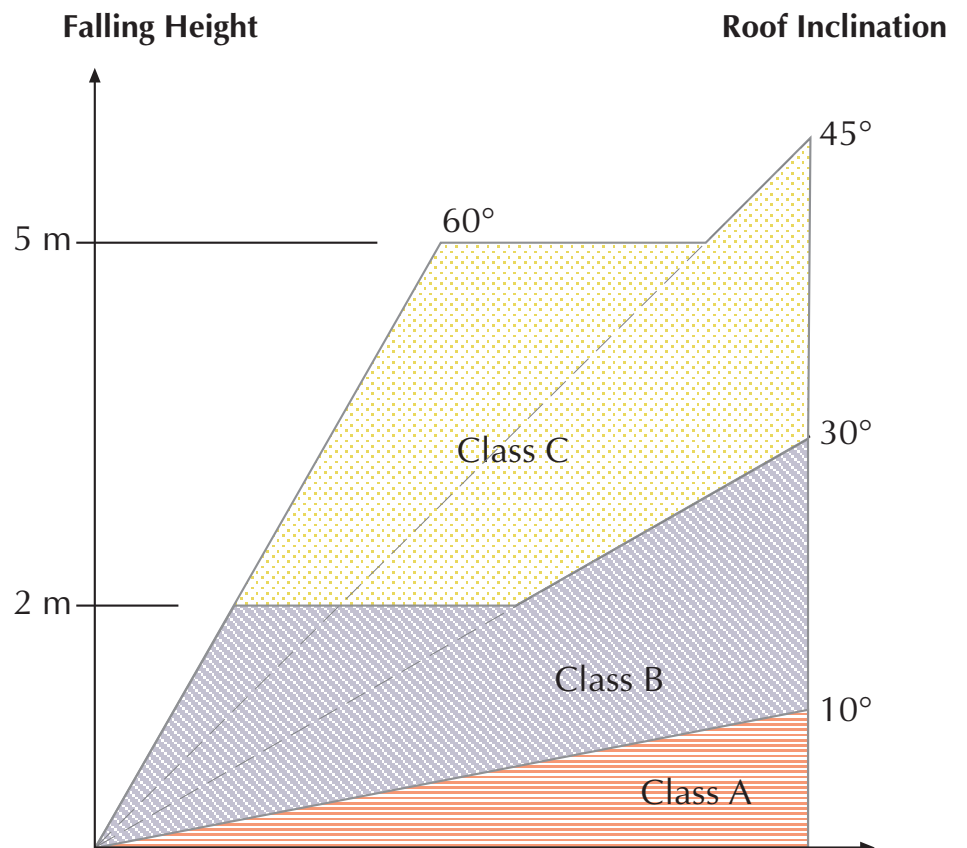
#### Class C



#### Class B



#### Class A



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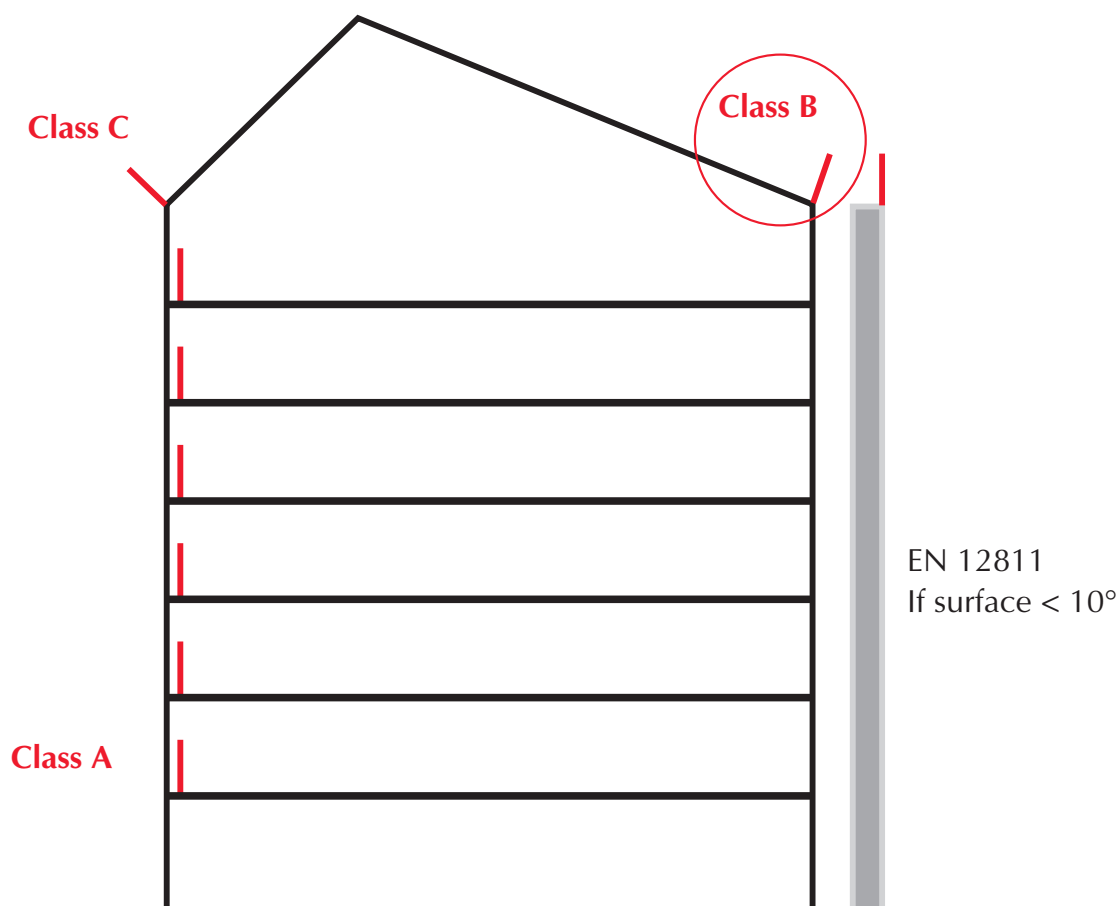
### • Application for each Class

EN 13374 was adopted in Nov 2004 (in the UK) and published with an explanatory National Annex, to clarify its application and that of the new Scaffolding Standard EN 12811.

If using a full perimeter scaffold to protect a surface sloping less than 10°, the guardrail requirements in EN 12811 apply.

In **ALL** other cases, **AND** when protecting any slope greater than 10°, EN 13374 applies.

### Classes EN 13374



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### • General Requirements all Classes

The **height** of the edge protection must be **at least 1.0 m**.

#### Maximum Gaps (containment):

The edge protection must be designed to contain a sphere of a certain diameter.

The diameter depends on the Class chosen:

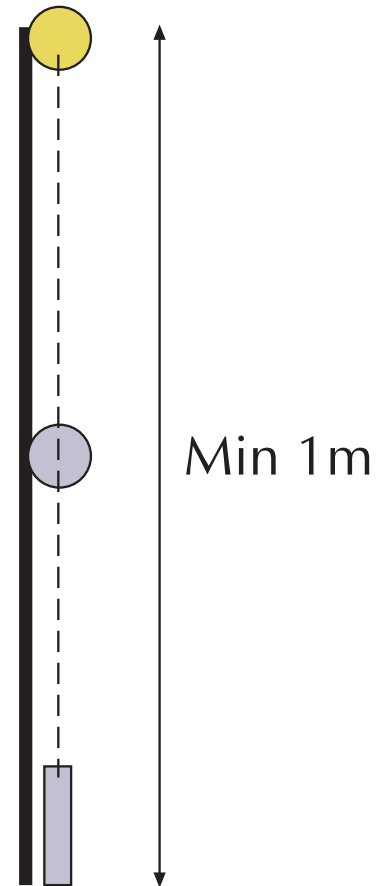
**Class A:**  $\varnothing$  470 mm (if using rails)  
 $\varnothing$  250 mm (if using a mesh panel system)

**Class B:**  $\varnothing$  250 mm

**Class C:**  $\varnothing$  100 mm

Toe board at least 150mm (max gaps 20mm).

**IT IS IMPORTANT** that components have a surface and be so located that injury from puncturing or lacerating the skin is minimised.



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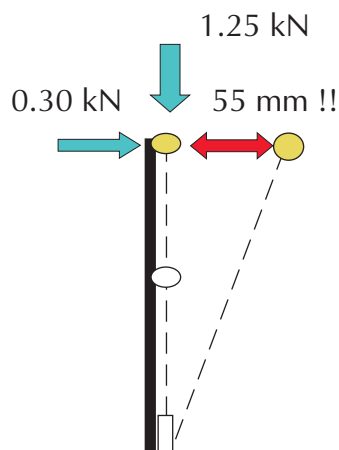
### • Performance Requirements

There are requirements for both Static and Dynamic Performance for each Class.

The **Static requirements** can be confirmed by calculation, however the **Dynamic requirements** must be confirmed by testing. The main aspects of these requirements are shown below.

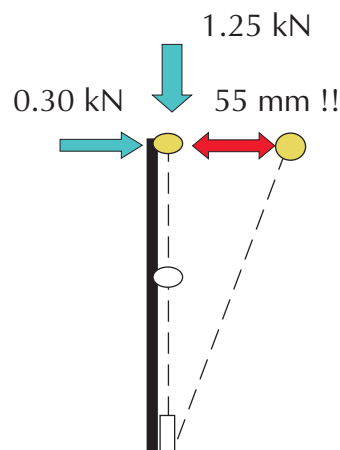
#### Class A Static only

Static Deflection Test

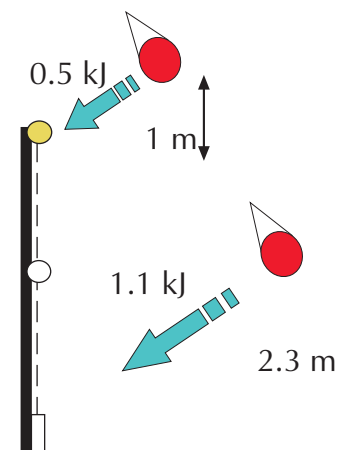


#### Class B Static and Low Dynamic

Static Deflection Test

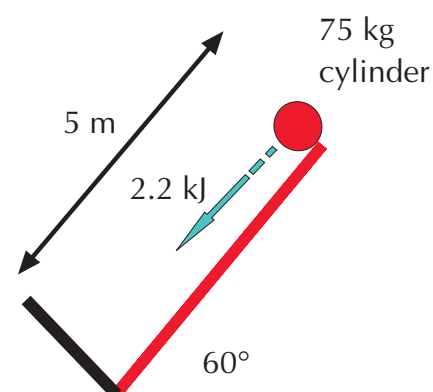


Two Swing Bag Test  
Low Dynamic



#### Class C High Dynamic only

Rolling Cylinder Test  
High Dynamic



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## The ABC of EN 13374, Temporary Edge Protection Systems

### • Marking, Labelling, and Instructions

**Designation** for Edge Protection System Class must be marked on the main components for the service life of the product. This is to confirm compliance and evidence testing, and for the traceability needs.

#### The following must be provided:

- EN 13374
- Class of Edge Protection A, B and/or C
- Name/ID of manufacturer or supplier
- Year and month of manufacture or serial number
- Counterweights marked with their weights

The following **information** must be provided to sites:

- List of each component with description
- Sequence of assembling and dismantling, including means of fixing, and imposed loads on the structure
- Dimensioned layout of proposed system with class of use
- Statement of system limitation, wind, snow etc
- Instruction for safety checking, storage, maintenance and repair



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