Mantech Safety Systems

COLLECTIVE FALL PROTECTION

Kee Guard®

Foldshield

Folding free standing roof edge protection

Collective protection that disappears when the work is finished. A full free standing guardrail that lies flat on the roof until it is needed, and folds back down when it is not. Specified, installed, inspected and certified by Mantech Safety Systems.

- Folding collective protection system
- Complies with BS EN 13374 and BS 13700
- Recycled PVC feet do not penetrate the roof membrane
- Galvanised steel, or with aluminium top and mid rails

Engineering Your Safety

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Kee Guard Foldshield

Collective protection that disappears when the work is finished

Sometimes collective protection is plainly the right answer, and a permanent line of railings along the roofline is plainly not wanted. Listed buildings, prominent elevations, planning conditions on a new development — the guardrail has to be there when people are on the roof and invisible when they are not.

Kee Guard Foldshield does exactly that. It is a full free standing guardrail that lies flat on the roof until it is needed.

Designed for slopes up to 10 degrees, it suits asphalt, concrete, mineral felt and PVC sheet covered roofs, and complies with the requirements of BS EN 13374 and BS 13700.

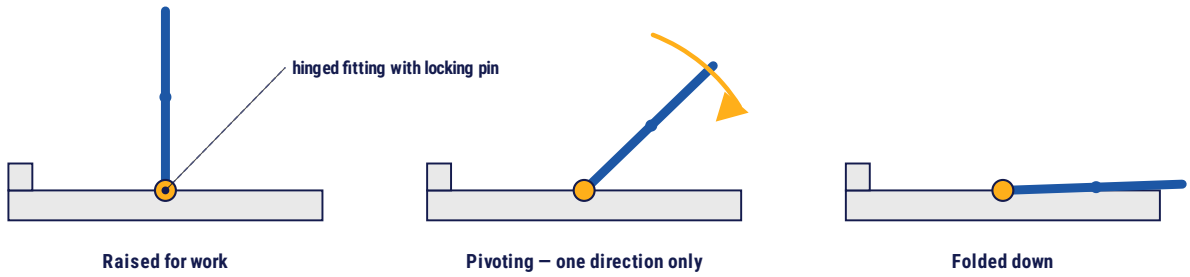
It stands on recycled PVC feet and is held by weight rather than fixings, so nothing is drilled through the roof membrane. Sections can be raised and lowered as the work requires, rather than the whole run at once.

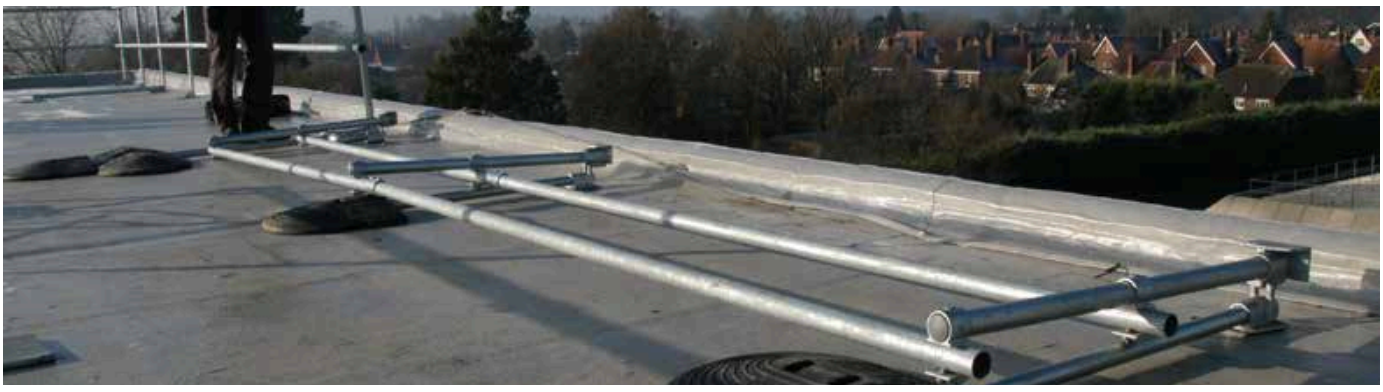
Mantech designs, supplies, installs, inspects and certifies collective and personal fall protection across the UK, from Bridgwater, since 2012.

PROPERTY	VALUE
Maximum roof slope	10 degrees
Roof surfaces	Asphalt, concrete, mineral felt, PVC sheet
Maximum bay size	2 m
Folding sections	6 m sections with 'D' returns
Two-person lift	6.4 m maximum section length
Support prop	KFU2, at 6 m intervals (restrained use)
Minimum upstand	250 mm (restrained use)
Rail options	Galvanised steel, or aluminium mid and top rails
Standards	BS EN 13374 · BS 13700

Kee Guard Foldshield

A hinged base fitting. Remove the locking pin and the guardrail folds — one way only.





Raising a folded section. One locking pin per fitting is all that has to be removed.

How it folds, and what it needs

How it folds

Foldshield uses a hinged version of the standard Kee Guard base fitting. Remove a single locking pin and the whole section pivots up into place. Replace the pin and it is locked upright. When the work is finished the process reverses, and the guardrail lies back down on its recycled PVC feet.

The fitting can only pivot in one direction. There is no way to fold a section the wrong way, which matters when a section is being raised by two people who cannot see the far end of it.

Two people can raise or fold a standard section up to 6.4 m long. Where a lighter section is wanted, Foldshield is also available with aluminium mid and top rails.

Layout and restraint

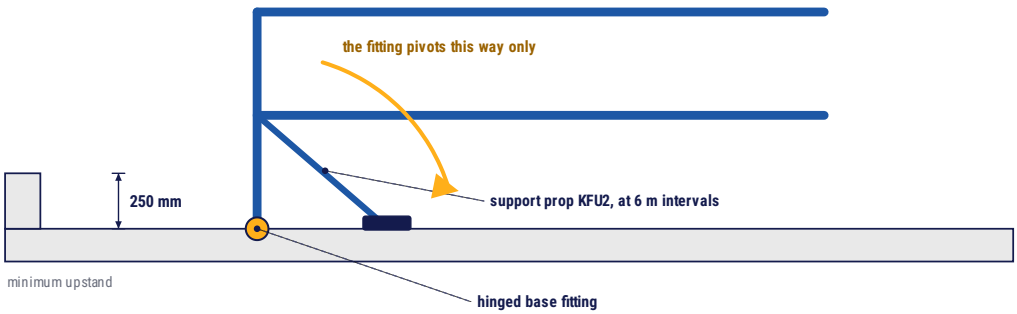
Foldshield offers all the flexibility of standard Kee Guard — continuous runs, fixed ends, corners and changes in direction — or it can be installed in 6 m sections with 'D' returns, which is the arrangement that folds most quickly.

With a maximum bay size of 2 m it can be used in both restrained and unrestrained applications.

To use the folding fitting in a restrained situation, an additional support prop (KFU2) is added to the uprights at 6 m intervals, to give the fitting room to pivot. This needs a roof upstand of at least 250 mm.

The support prop, KFU2

Restrained use — giving the hinged fitting room to pivot.



Hard against an upstand the fitting has nowhere to swing. The prop holds the upright clear, so the section can still be folded.

Features

- Folds down when not in use
- The main fitting can only pivot in one direction
- The system can be raised and lowered in sections
- Maximum bay size 2 m
- Complies with BS EN 13374 and BS 13700

Benefits

- Does not spoil the building's appearance
- No possibility of the guardrail folding the wrong way
- No penetration of the roof membrane
- Saves time and increases flexibility

The same uprights, rails and Kee Klamp fittings as standard Kee Guard. Only the base fitting changes.

Mantech installs Foldshield, hands it over certified, and inspects it annually — including the hinge fittings and locking pins, which are the parts that see the wear.

Folds flat	6.4 m	2 m	One direction
The roofline is clear when no work is in progress	Maximum section length raised or folded by two people	Maximum bay, restrained or unrestrained	The fitting cannot pivot outwards

INSTALLED IS NOT THE END OF IT

Installed, inspected and certified by Mantech

Mantech designs, supplies and installs roof edge protection across the UK, and inspects and recertifies it for the life of the building. Every installation is designed for the specific roof and handed over with the documentation you need to demonstrate compliance. Talk to us about a survey.

01

Survey and design

The upstand, the section lengths and the way the roof will be folded decide the layout. We measure before we quote.

02

Install and certify

Installed by our own CSCS-accredited teams and handed over with certification and the records to support it.

03

Inspect and recertify

A scheduled programme, tested and documented from our own PPE/SRL Testing Centre at Bridgwater.

TALK TO US

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VISIT US

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ACCREDITED & CERTIFIED

BSIF
SafeContractor
Constructionline Gold
Builder's Profile

CSCS-accredited engineers & installers

Mantech Safety Systems

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