COLLECTIVE FALL PROTECTION

Kee Guard®

Topfix

Roof edge protection for standing seam and metal profile roofs

Collective protection on pitches up to 45 degrees. One base plate with multiple fixing centres installs to a wide range of popular metal roofs, so there is no bespoke bracket to design for every building. Specified, installed, inspected and certified by Mantech Safety Systems.

- Collective protection for metal roofs
- Modular off-the-shelf system
- Galvanised steel or aluminium
- Complies with the test requirements of BS EN ISO 14122-3, BS EN 13374 Class A and BS 13700

Engineering Your Safety

01278 228180
enquiries@mantechsafetysystems.com
mantechsafetysystems.com

Roof edge protection for metal roofs up to 45 degrees

Metal roofs are the awkward case. There is no flat deck to stand a counterbalanced system on, and no two profiles are quite the same, so edge protection has traditionally meant fabricating something different for every building.

Topfix removes that. The base plate incorporates multiple fixing centres, so one plate installs to a wide range of popular roofs. Because it is an off-the-shelf product, specification is simpler and there is no need to design a bespoke solution site by site — which means fewer visits and less downtime before work can start.

Two fixing methods

Base plates for **standing seam roofs** are fixed using non-penetrative two-part clamps, which grip the seam itself. Nothing passes through the roof sheet.

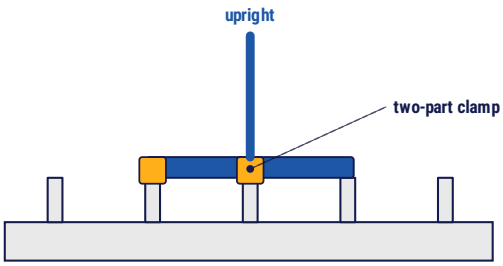
Base plates for **metal profile roofs** are fixed with minimal penetrations, using rivets and butyl sealing strip to maintain the roof's integrity.

On the roof

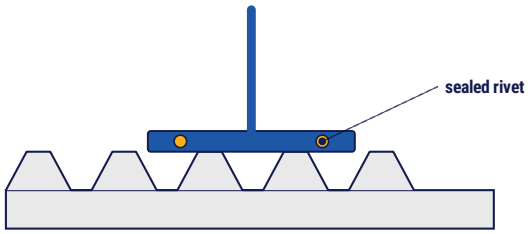
Topfix installs quickly using pre-assembled uprights and open cup fittings. Ridges, valleys, corners, changes in level and self closing gates are all handled with standard Kee Klamp fittings. The standard upright base fitting allows 0–11 degree vertical adjustment, and four fixing holes in the base plate let it be turned to the most beneficial plane for the roof profile. Uprights sit perpendicular to the slope of the roof, and can be cranked in-board by up to 11 degrees from the vertical.

PROPERTY	VALUE
Roof types	Standing seam; metal profile (trapezoidal)
Maximum roof pitch	45 degrees
Upright adjustment	0–11 degrees from vertical
Base plate	Four fixing holes
Standing seam fixing	Non-penetrative two-part clamps
Metal profile fixing	Rivets with butyl sealing strip
Finish	Galvanised steel, or aluminium with additional support brackets
Standards	BS EN ISO 14122-3 · BS EN 13374 Class A · BS 13700

Standing seam
non-penetrative two-part clamps



Trapezoidal metal profile
rivets with butyl sealing strip



The base fitting allows 0–11° of vertical adjustment, so the upright stands plumb on a pitched roof.

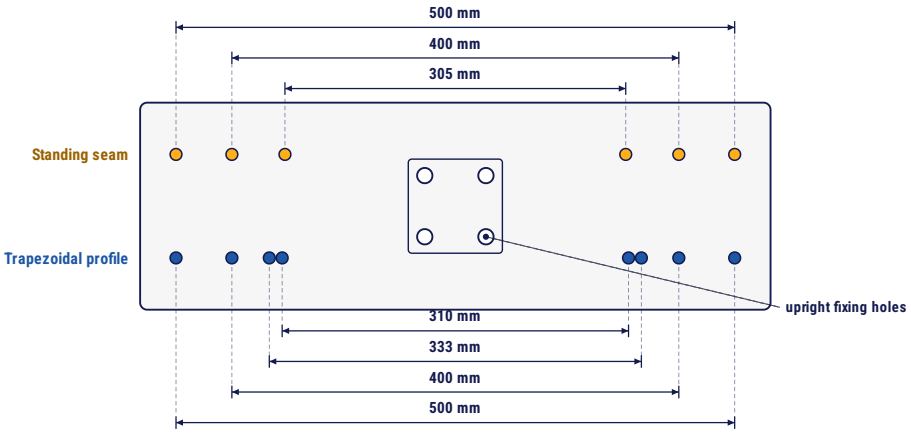
Kee Guard Topfix on a trapezoidal profile roof. Base plates fix through the crown of the rib with rivets and butyl sealing strip.

The base plate, centres and bays

THE DRAWING THE SPECIFIER NEEDS

The Topfix base plate — fixing centres

One plate, two families of metal roof. The centres are what make a bespoke bracket unnecessary.



The plate turns through 90° so the pattern that suits the roof falls on the roof's own fixing line.

FIXING CENTRES

ROOF TYPE	CENTRES
Standing seam	305, 400 and 500 mm
Trapezoidal profile panels	310, 333, 400 and 500 mm

BAY SIZES — GALVANISED STEEL

BAY	MAXIMUM
End bay	1750 mm
Intermediate bay	2500 mm
Upright to corner	500 mm
Total around a corner	2000 mm

Setting out

Bay sizes shown are for the galvanised steel system to BS EN ISO 14122-3. End bays are shorter than intermediate bays because an end bay has less of the run behind it to share the load.

Rails must not be jointed within 2.5 m of a change in direction, and joints should be staggered by at least one bay between top and mid rail locations. Uprights TSU1 (intermediate) and TSU2 (corner) are shown on the layout drawing.

Aluminium. The manufacturer publishes no bay sizes for the aluminium system, and the additional support brackets mean the galvanised figures cannot be borrowed. Aluminium layouts are designed project by project.

One plate, both families. The base plate carries hole patterns for seamed and for profiled roofs, so the same plate is specified either way. It turns through 90° to bring the pattern that suits the roof onto the roof's own fixing line.

Where Topfix starts. Free standing Kee Guard is compatible with flat roofs up to 10 degrees of slope. Above that, and on any metal roof, Topfix is the system — up to 45 degrees of pitch.

Mantech designs the layout for each roof, installs it, and issues the certification on handover. We then inspect and recertify it annually.

Collective, not personal

No harness and no training burden at the edge.

Off the shelf

One modular system, not a bespoke bracket per building.

Nothing through the seam

Seam roofs are clamped, not drilled.

Fewer site visits

Simpler specification, less downtime before work starts.

45°	0–11°	2500 mm	1750 mm
Maximum roof pitch for the Topfix system	Vertical adjustment at the upright base fitting	Maximum intermediate bay, galvanised steel	Maximum end bay, galvanised steel

Wind loading is assessed for each roof. Mantech carries out the design calculation and issues the certification with the completed installation.

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 roof profile, the seam or rib centres and the pitch decide the base plate and 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

01278 228180

enquiries@mantechsafetysystems.com
mantechsafetysystems.com

linkedin.com/company/mantech-safety-systems

VISIT US

Unit G13
Woodlands Court Business Park
Bristol Road, Bridgwater
Somerset TA6 4FJ

ACCREDITED & CERTIFIED

BSIF
SafeContractor
Constructionline Gold
Builder's Profile

CSCS-accredited engineers & installers

Mantech Safety Systems

Kee Safety

Part of the Kee Safety Group

Engineering Your Safety

©Mantech Safety Systems Ltd. Part of the Kee Safety Group. All rights reserved. E&OE.
Kee Safety, Kee Guard, Kee Line, Kee Walk, Kee Cover, Kee Track, Kee Dome, Kee Point, Kee Post, Kee Klamp, CoverLite and Kee Anchor are trade marks of Kee Safety Limited, used under licence.