



Fixed Roof Edge Guardrail For Profile Clad Roofs

Lockinex[®]
great service, great quality

INTRODUCTION

Lockinex Fixed Roof Guardrail system utilises Lockinex Key Clamps, Tubing & specially designed base feet & posts.

This permanent system can be fixed to virtually any type of roof that has a sheeted corrugated profile.

APPLICATION

Lockinex Fixed Roof Guardrail provides a safe working environment for personnel who may frequent roof areas, to maintain equipment such as air conditioning units, telecoms, water tanks, communications services or performing repairs or general maintenance to the roof itself.

The system can be installed to the complete roof perimeter or installed to provide direct access to a particular area on a roof.

Once fixed into position, the system will provide many years of virtually maintenance free service life.

MAINTENANCE

Once installed this product requires very little maintenance.

The systems integrity relies on the spreader plates, installed as the layout details. Any alterations or removal of spreader plates will greatly affect the system.

Structural fixings should not require any further attention. Depending on the local environment it may be prudent to have these checked at an agreed interval to ensure there has been no tampering or removal.

Contact the company for further assistance if required.

COMPOSITION, MANUFACTURE

Designed & tested to comply with BS EN 13374 Class A and/or BS EN 14122-3 (toeboard required for compliance with BS EN 14122-3).

Lockinex Key Clamps

Manufactured to BS EN 1563:2011
BS EN 1562:2012
Galvanised to BS EN 1461:2009

Horizontal Tubing/Rails

Manufactured to BS EN 10255.
Galvanised to BS EN 10240.

Steel Spreader Plate, Posts & Kickplate/Toeboard

Manufactured from S195T Steel.
Galvanised to BS EN 1461:2009.

CERTIFICATION

Safety Compliance Certificates (SCC's) can be issued on request. In order for an SCC to be issued by Lockinex UK Ltd a site survey must be carried out by a Lockinex staff member of the installed system in order for us to validate the correct installation. We may also validate the installation remotely if suitable images and information are provided on completion of the installation.

SYSTEM OVERVIEW



Clad Rail System
Galvanised steel.



Clad Rail System
View of installed system.

INSTALLATION

The simplicity of the system and easy to follow instructions allow the system to be installed by un-skilled personnel. Easy to handle components allows them to be passed up through even the smallest of roof work hatches.

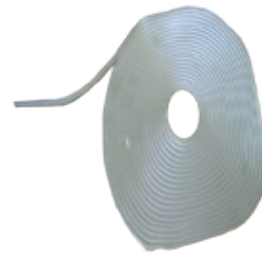
Lockinex UK Ltd have their own contracts division which can survey your requirements and provide a cost to carry out the complete works if needed.

Included in this will be the full management of any crange and installation (If required).

A complete nationwide service is available.

BUTYL STRIP

Fixed under spreader plate, provides a water tight seal at fixing penetration points.



DESIGN CONSIDERATIONS

When standard kit components are fully assembled, the guardrail will comply to current UK regulations & exceeds many European regulations (EU Regulations are generally to a lower specification than those in the UK).

Should the contractor/third party installer adapt/alter the system in any way, consideration should be given to the proposed alterations.

Components

CF-5

Post with pre-holed integral spreader plate. Can be used with a range of Lockinex key clamp fittings.



Utilising J clamps



Utilising A04 top Tee and A22 mid Tee.

A68-8

Post cap used for capping off top of tube when using J clamp style posts. Black or grey.



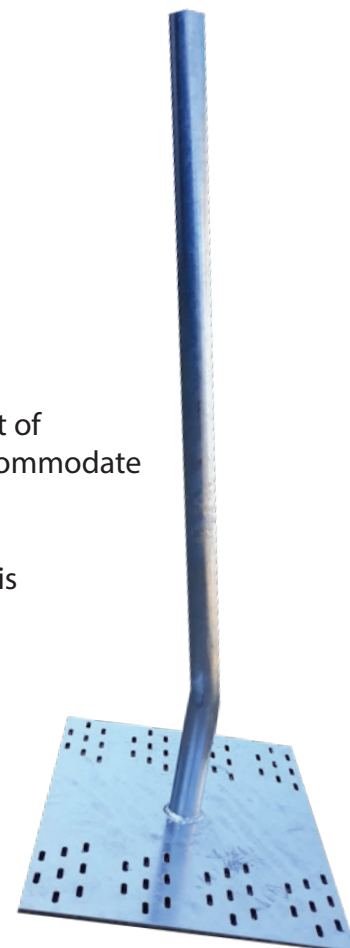
The CF-5 Post is also available with a "Set" in the lower part of the upright, approx 100mm up from the base plate to accommodate the slope/pitch of the roof.

Please provide the angle of the roof should you require this service.

3.2 or 6.4 mtr Guardrail Tubes, Galvanised



Toe Board - 150 x 50mm Hot Dipped Galvanised



Layout Details

Clad Fix

Corners/ "D" End Rail Terminations

It is recommended that a maximum projection of tube beyond a post should be no more than 500mm. The rail can then continue on 2.5 mtr to the next post.

Use A06-8 key clamp for 90 degree corner connections & "D" End Terminations.

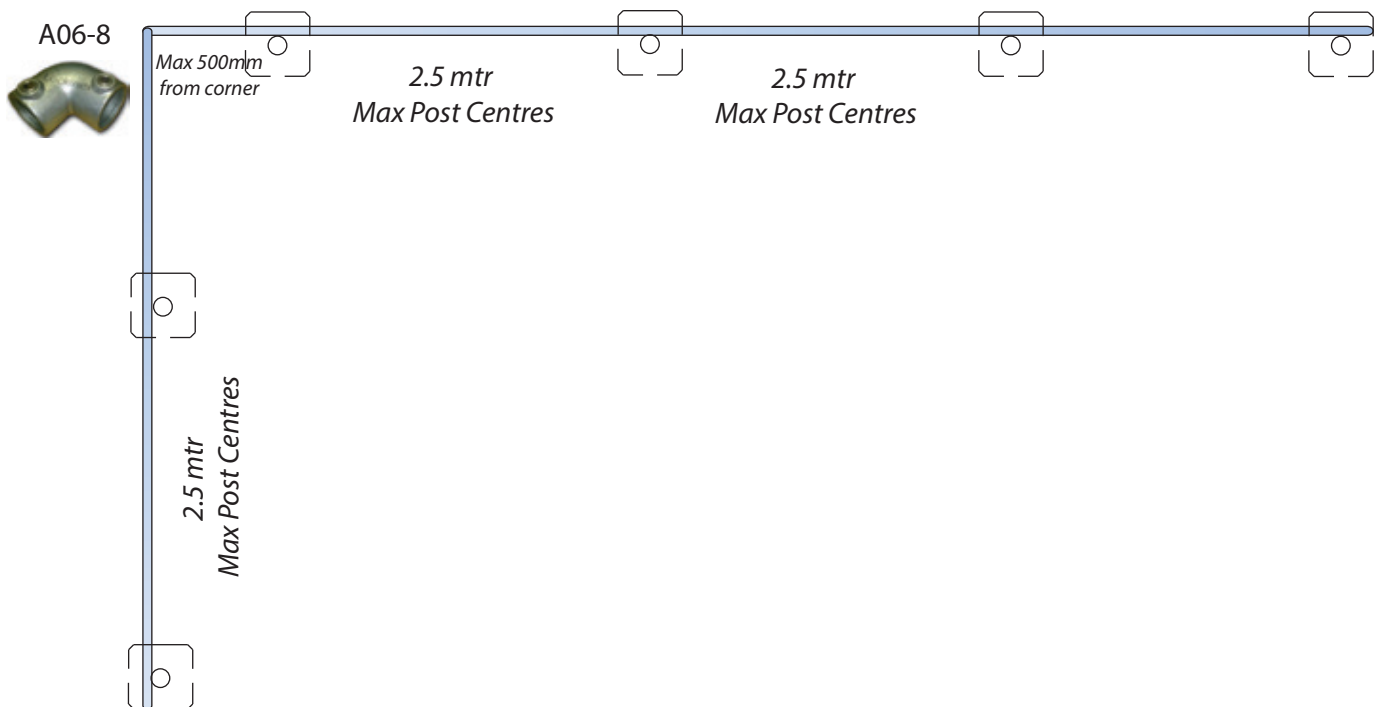
Apex/Obtuse Angle connections.

Lockinex A05-8 can be used to join the handrail at the roof apex.

Installing CF-5 Post with Inegral Spreader Plate.

Fix with a minimum of 8 fixings using 7.7 Rivets.

Example layout



Clamps from the Lockinex key clamp range.

A selection of clamps are shown below, which can be utilised to work with our fixed guardrail system.

(For the full range of clamps visit the www.lockinex.com web site).



A02-8

Short T.
Used for step ups
in rails.



A06-8

90 degree elbow joint.
Used for forming 'D' ends to
terminate a run of handrail
& turning rails at corners.



A05-8

Multi angle swivel joint.
Alters directions of rails
85-180 degree.



A08-8

Straight rail connector.
Connects rails end to end.



A10-8

Rail end Termination.
Ends of rails can be
fixed to a structure.



A12-8

Structural top fixing
base plate.



A18-8

3 way corner. Typically
used for the top of a
corner post



A20-8

4 way corner. Typically
used for the middle of
a corner post.