

MiTek[®]

COMMERCIAL SOLUTIONS



MEZZANINE SYSTEMS

EDGE PROTECTION OPTIONS

MEZZANINE SYSTEMS

MITEK C34 EDGE PROTECTION



MiTek C34 Edge Protection is a unique continuous handrail system that is compliant with British Standards and Building Regulations approved document K. This is an all-purpose versatile system that can be used as edge protection on floors as well as staircases, offering an overall consistent styling of the mezzanine build. In order to provide solutions for different site conditions, it is adaptable for both top and side mounting. This system was developed by MiTek in our very own Innovation Hub.

OVERALL SPECIFICATIONS

- Height of handrail centreline above floor level is 1100mm
- Height of knee rail centreline above floor level is 600mm
- Post spacing is determined by site conditions to a maximum of 1500mm centres
- Posts and saddles are fully welded assemblies and use all high grade fixings

MATERIALS

- Post section: 50x50x3 SHS (Grade S235)
- Post plates: Mild steel (grade S275)
- Saddle: Mild steel (grade S275)
- Hand & knee rails: Mild steel BS 1387 tube (33.7mm O.D. / 1" nominal bore)

FINISHES

- Standard finishes for post and saddle are RAL 7024
 - Standard finishes for hand and knee rail is powder coated RAL 7024
- We can also provide powder coated finishes to any RAL number, please enquire as to availability.*

CODE COMPLIANCE AND PERFORMANCE

BS 6180:2011 Barriers in and about buildings
 BS 5395-3:1985 Stairs, ladders and walkways
 BS 6399-1:1996 Loadings for buildings

BS EN ISO 14122 Access to machinery
 Eurocode 3 BS EN 1993-1-1 2005
 Eurocode 1 Actions on structures 1991-1-1

Building Regulations Part K

MEZZANINE SYSTEMS

MITEK B34 EDGE PROTECTION



Our MiTek B34 Edge Protection is an industrial design that consists of 'Ball' type handrail posts and handrails. Easy to install, the system can be fixed to the top or the side of the mezzanine structure and customised to meet material and finish specifications. MiTek B34 complies with current British Standard regulations and is frequently used in industrial constructions. Typical applications include mezzanines, platforms, walkways and staircases.

OVERALL SPECIFICATIONS

- Height of handrail centreline above floor level is 1100mm
- Height of knee rail centreline above floor level is 600mm
- Post spacing is determined by site conditions to a maximum of 1500mm centres
- Posts and saddles are fully welded assemblies and use all high grade fixings

MATERIALS

- Post section: 42mm diameter x 3.5mm thick CHS (grade S275) with 63mm diameter ball connectors
- Post plates: Mild steel (grade S275)
- Hand & knee rails: Mild steel BS 1387 tube (33.7mm O.D. / 1" nominal bore)

FINISHES

- Standard finishes for post and saddle are RAL 7024
 - Standard finishes for hand and knee rail is powder coated RAL 7024
- We can also provide powder coated finishes to any RAL number, please enquire as to availability.*

CODE COMPLIANCE AND PERFORMANCE

BS 6180:2011 Barriers in and about buildings
 BS 5395-3:1985 Stairs, ladders and walkways
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Building Regulations Part K

MEZZANINE SYSTEMS

MITEK S32 EDGE PROTECTION



Our MiTek S32 Edge Protection is an industrial edge protection system providing a functional and smart solutions that integrates both the handrail and toe plate into the handrail post. The system can be easily erected either top mounted or side mounted and can be tailored to suit many applications such as warehouse or construction environments.

OVERALL SPECIFICATIONS

- Height of handrail centreline above floor level is 1100mm
- Height of knee rail centreline above floor level is 600mm
- Post spacing is determined by site conditions to a maximum of 1500mm centres
- Posts and saddles are fully welded assemblies and use all high grade fixings

MATERIALS

- Post section: 50x50x3 SHS (grade S235)
- Post plates: Mild steel (grade S275)
- Hand & knee rails: 32mm diameter, 3.5mm thick aluminium tube

FINISHES

- Standard finishes for posts are RAL 7024
We can also provide finishes to customer specifications, please enquire as to availability.
- Hand and knee rail finish - aluminium

CODE COMPLIANCE AND PERFORMANCE

BS 6180:2011 Barriers in and about buildings
BS 5395-3:1985 Stairs, ladders and walkways
BS 6399-1:1996 Loadings for buildings

BS EN ISO 14122 Access to machinery
Eurocode 3 BS EN 1993-1-1 2005
Eurocode 1 Actions on structures 1991-1-1

Building Regulations Part K

MEZZANINE SYSTEMS

INFILL PANELS EDGE PROTECTION

Depending on the required function and surrounding environment of the edge protection system; different infill panels are available to fill the gaps to protect people, tools and materials from falling. Common infill options are mesh, netting, perforated metal sheet, glass or Perspex and all our systems comply with building codes & safety requirements.



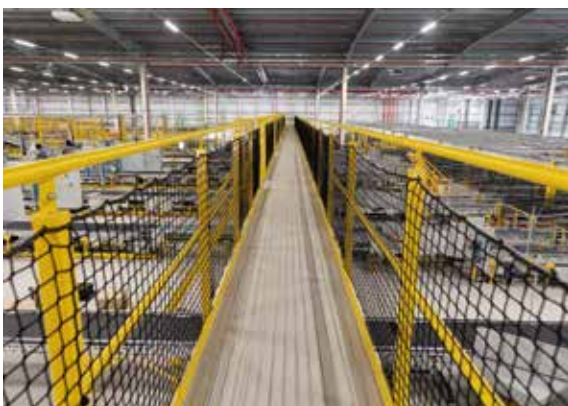
MESH

The galvanised wire mesh system includes single or double mesh panels, providing ultimate strength and durability. It is typically used to create a strong barrier around machinery and equipment.



PERFORATED METAL PANELS

Perforated metal panels come in a wide range of different specifications, materials and colours. In addition to providing extra safety; these offer our customers an aesthetic option as well as added wind protection.



NETTING

Netting is often chosen as an infill option to prevent stock falling from height, damaging the stock and potentially injuring people below. The netting is made from a very strong and durable, yet lightweight polypropylene.



GLASS & PERSPEX

Glass and Perspex panel options are often chosen for safety protection in public places such as office buildings and retail centres as they are completely transparent and clear, minimising disruption of view.