



neaco

norton engineering alloys co ltd

roof **walkway** systems

the highest **performance** in **access,**  
**maintenance** and **protection**



Neaco's range of roof walkway and handrail systems provide safe, secure and long-term access solutions for general cleaning and maintenance purposes. Offering a choice of specifications to meet a variety of budgets and performance requirements, these superior modular systems combine lightweight construction with extreme durability and high aesthetic value.

#### FEATURES AND BENEFITS

- Lightweight for ease of handling yet strong in construction with patented swage-locked design
- Maintenance-free - no painting required
- Free draining surface
- Serrated surface for high non-slip performance
- Simple, quick installation
- Environmentally friendly
- Non penetrative fixing system
- Suits most standing seam roofs





Our original roof access walkway, Techdek has been designed to adapt to the most demanding structural and environmental conditions with high technical capability and suitability for installation on roof pitches of higher gradients. Where feasible Techdek can be clamped to the roof profile without penetration of the sheeting. Aluminium extrusions provide a high quality, aesthetically pleasing finish, often difficult to achieve with other materials. Anodising or powder coating options are available to create a feature of the panels. Techdek's optional handrail system has been designed as an integral element attached to the edge of the walkway.

- Panels in lengths for easy handling
- Walkway retains a high residual value and the aluminium is fully recyclable
- Integral handrail to one or both sides of the walkway
- 150mm kicking plate available as an optional extra
- The ability to be placed on roof pitches of up to 10 degrees
- Easy cutting of the walkway panels on site
- Non penetrative fixing system
- Suits most standing seam roofs

## Techdek roof walkway system





## Paldek 2 roof walkway system



When the full technical capabilities of the Techdek aluminium system are not required, the Paldek 2 system provides a highly cost-effective alternative, enjoying many of the same qualities.



With swage, frame and serrated load bars in aluminium alloy, Paldek 2 is very similar in appearance to Techdek, providing aesthetic consistency in schemes where both systems are used.

With pre-designed standard panels and innovative features such as dual-action easy-fix clips, Paldek 2 massively reduces the time and cost of installation.

- 2 standard panel sizes:
- 2000mm long x 600mm wide (across-the-seam panels)
- 1000mm long x 600mm wide (down-the-seam panels)
- Standard panel weights of just 9kg and 4.5kg for easy handling
- Specially designed 'T' edging strip to end of longer panels allows users to see clearly defined changes of direction
- The ability to be placed across roof pitches of up to 5 degrees

## Linedek handrail system



Linedek is a superb new stand-alone handrail system providing safety for roof access walkways with a cost-effective and easy-to-install solution. Designed to maximise structural efficiency with strong and secure support attached to the roof sheet, the system is ideally suited for use in conjunction with Paldek 2 walkways.





## Paldek 2 dual action fixing clamp



Paldek 2's dual action fixing clamp provides a fast and efficient installation method to save valuable time and money spent on site.

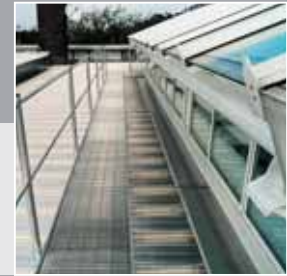


- Secured to seam and walkway with only one fixing
- No need to fix a seam clamp in first and then clamp the flooring to the seam clip - the dual action clamp completes both tasks when the clamp bolt is tightened
- Takes half the time to install compared to conventional clamping methods
- 6 clips per panel required across the roof
- 2 clips per panel required down the roof





# technical specification for **Techdek** roof walkway systems



Techdek roof access walkway and handrail systems are designed to BS EN 1991-1-1:2002.

## TECHDEK ACCESS WALKWAY

Minimum imposed loads (BS 6399:PART 1:1996)

Type of occupancy for part of the building or structure	B Offices and work areas not covered elsewhere.
Examples of specific use	Catwalks
Uniformly distributed load	3kN/m <sup>2</sup>
Concentrated load kN	1kN at 1m centres

## TECHDEK HANDRAIL SYSTEM - TABLE 4

Minimum horizontal imposed loads for parapets, barriers and balustrades etc. (BS 6399:PART 1:1996)

Type of occupancy for part of the building or structure	B and E Offices and work areas not included elsewhere, including storage areas.
Examples of specific use	(iii) Light access stairs and gangways not more than 600mm wide.
Horizontal uniformly distributed line load	(kN/m) 0.22
A uniformly distributed load applied to the infill	(kN/m) N/A
A point load applied to the infill	(kN/m) N/A

Handrail systems available for 0.36 kN/m.

# technical specification for **Paldek 2** roof walkway systems

## PALDEK 2 ACCESS WALKWAY

Minimum imposed loads (BS 6399:PART 1:1996)

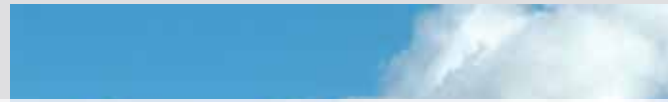
Type of occupancy for part of the building or structure	B Offices and work areas not covered elsewhere.
Examples of specific use	Catwalks
Uniformly distributed load	3kN/m <sup>2</sup>
Concentrated load kN	1kN at 1m centres

## LINEDEK HANDRAIL SYSTEM - TABLE 4

Minimum horizontal imposed loads for parapets, barriers and balustrades etc. (BS 6399:PART 1:1996)

Type of occupancy for part of the building or structure	B and E Offices and work areas not included elsewhere, including storage areas.
Examples of specific use	(iii) Light access stairs and gangways not more than 600mm wide.
Horizontal uniformly distributed line load	(kN/m) 0.22
A uniformly distributed load applied to the infill	(kN/m) N/A
A point load applied to the infill	(kN/m) N/A

Handrail systems available for 0.36 kN/m.



Paldek 2 roof access walkways and Linedek handrail systems are designed to BS EN 1991-1-1:2002.



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