

PISKO ROOF WALKWAY FOR MINERIT ROOF, 1319

The roof walkways are used as extensions of the wall ladders and roof ladders in order to create safe access routes to maintenance targets on the roofs, such as the chimney. The access width of the walkway is 350 mm.

INSTALLATION

WALKWAY AND ROOF FASTENER -PARTS AND ASSEMBLY

- The roof fastener for the walkway is a combination of LE Vartti (500-1350 mm) bracket and inclination adjustment plate. Install the inclination adjustment plate to the bracket with 2 pcs of M8x16 hexagonal bolts and M8 hexagonal nut.
- The most common roof inclinations and corresponding hole placements are demonstrated in figure 1. The roof walkway should be in horizontal position after final installation.
- The walkway shall be fixed to each inclination adjustment plate by using two M8x16 hexagonal bolts and M8 hexagonal nuts.
- The extension of the walkways shall be done by overlapping and securing the connection from both sides by using 2 pcs of M8x16 hexagonal bolts and M8 hexagonal nuts (figure 2).

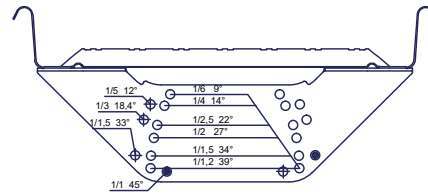


figure 1

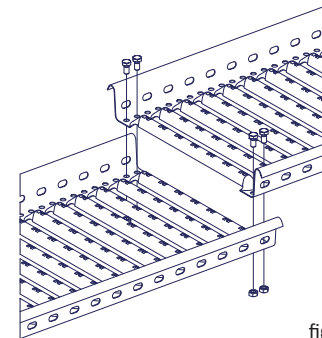
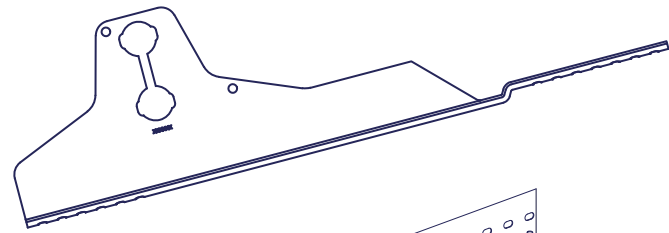


figure 2

Minimum batten size 100 x 22 mm (structural timber quality).
The appropriate bracket is selected according to the length of the visible portion of the minerit sheet (see table and figure 3).

Installation according to class 1 / class 2:

- Glue a sealing strip to the base of the fastener to seal the lead-in holes.
- Mount the fasteners to the base of the wave-form under a transverse fold, in such way that the top end of the stair rises on to the top of upper minerit sheet. Screw fasteners to the battens with two 7x50 mm HPAC screws at the top end and one at the bottom end (figure 4). In order to avoid fracture of the minerit sheet, pre-drill hole to the minerit board for screws.
- The installation interval of fasteners is 1000 to 1200 mm.

Selection table of the bracket		
Visible portion of the Minerit sheet MIN (mm)	Visible portion of the Minerit sheet MAX (mm)	Appropriate bracket
500	550	500
550	600	550
600	650	600
650	700	650
700	750	700
750	800	750
800	850	800
850	900	850
900	950	900
950	1000	950
1000	1050	1000
1050	1100	1050
1100	1150	1100
1150	1200	1150
1200	1250	1200
1250	1300	1250
1300	1350	1300
1350	1400	1350

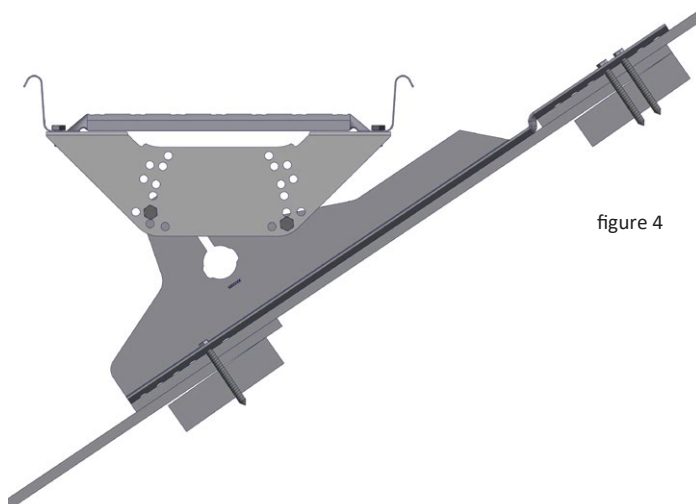


figure 4

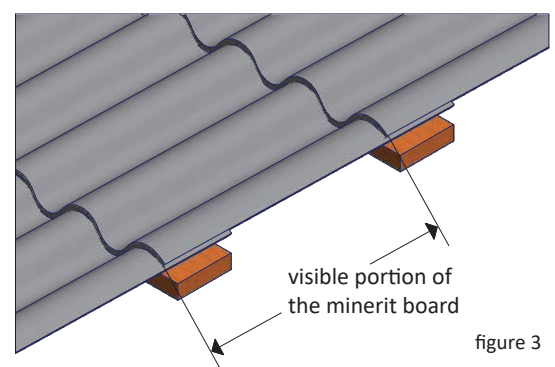


figure 3

USE

A roof walkway must be used when the roof inclination is more than 1:8. If the height of the building is more than 9 meters, safety rope fixing structures must be provided (Finnish Ministry of the Environment, Decree on the safe use of buildings on January 1, 2018). The EN 516 standard gives two performance classes for roof walkways: class 1 and class 2. Class 1 means that the product is suitable for use as access way and class 2 means that the product can also be used as a safety rope anchoring point. Personal fall arresters may only be attached to class 2 roof walkways. Pisko roof walkway has been dimensioned against 1,5 kN (~150 kg) concentrated load (load from the user).

The Pisko roof walkway is manufactured in compliance with EN 516 and the roof walkway system has passed the static and dynamic tests specified in the relevant standard for class 2. An appropriate safety rope can be fixed to a roof walkway, which is installed in accordance with class 2. The safety rope must be intended to be used as a personal safety rope and it must conform to relevant standards such as e.g. EN 353-2 and should be equipped with a shock absorber (EN 355). A Pisko SafeLine wire system's glider, a horizontal carriage that moves along the Pisko safety rail or, alternatively, a rope fastener is used as a safety rope attachment point with Pisko roof walkways (see the separate installation instructions for these products). Moreover, the following must be taken into consideration when using a safety rope:

- Only safety ropes (e.g. EN 353-2) or retractable lanyards (EN 360) that are meant to be used as a personal fall protection equipment should be used
- Only one person at a time, with a total weight of max. 150 kg, including the equipment, is allowed to fix a safety rope to a safety rope anchoring point.
- The distance between attachment points must be at least four (4) meters if more than one user is attached to the same roof walkway or horizontal safety rail.
- More than one person can be attached simultaneously to the Pisko SafeLine that is installed on a roof walkway, provided that there is at least two wire holder brackets in between the users. More information on Pisko SafeLine installation instructions.
- The safety rope may only be used towards the eave on the pitched roof area where the roof walkway is installed.

MAINTENANCE

Pisko products are hard-wearing and safe to use, guaranteed by the ongoing quality control and development work by Piristeel Ltd, as well as correct installation of the products according to the manufacturer's instructions. To ensure the reliability and safety of the products, the property owner must carry out yearly inspection and maintenance procedures, and monitor that the snow load specified by the regulations is not exceeded. NOTE! Roof walkway installed as access way is not intended to be used as snow guards. Heavy snow loads can permanently damage the walkway and its fastening system. If necessary, the roof walkway should be protected from snow loads with snow guards and snow loads should be removed from the roof walkway in good time.

To ensure the durability of the performance of the products, the property owner should have the class 2 roof safety products inspected annually by a person authorised by the manufacturer.

Yearly maintenance inspection checklist for Pisko products:

- Check the tightness of joints, connections and attachments.
- Check the roof attachments (fixings).
- Ensure any excessive snow load is cleared to minimize the strain on structures and attachment points (as necessary; there might be a need several times during the winter).
- As necessary, clear the roof walkways of snow and ice.
- Check the paintwork and zinc coating of the products; repair faults and touch up paintwork if necessary
- Replace or repair any damaged or faulty parts as soon as possible.

Piristeel Oy Metallitie 4, 62200 Kauhava Finland 13
EN 516 Pisko roof walkway for minerit roof, 1319 Type B Mechanical strength: Class 1 and Class 2 Reaction to fire: Class A1 Durability: Z275 + powder coating 80 µm External fire performance: DTS

This product has been installed in accordance with the installation instructions by

Company

Installer

Date