

PISKO SAFEGRIP ROOF LADDER FOR PROFILED SHEETS, UP TO 70 MM OF HEIGHT

Pisko roof ladders for profiled sheets, up to 70 mm of height are used as extensions of wall-mounted ladders and/or roof walkways to create safe access paths on a profiled sheet roofs (profile height max. 70 mm). It must be possible to move safely on the roof from the eaves to the ridge, chimney, sunroofs and other areas requiring maintenance. Pisko ladders have a rungwidth of 400 mm and rung diameter of 25 mm.

INSTALLATION

Roof ladders must be attached to the load bearing structures of the roof, at least at the top and bottom ends of the ladder (EN 12951, Section 5.3.1). Due to the strain created by snow loads, we recommend the use of more fastenings.

When the profiled sheet acts as a non-load bearing roof, or it is impossible to tell whether the structure has been executed as a load bearing structure, the roof ladder fasteners shall be installed by fixing the fasteners directly to the battens. The batten fastening is also recommended installation method with profiled sheets designed and implemented as a load bearing structure. The battens should be minimum 32x100 mm (good quality structural wood) to meet the class 2 installation requirements. Before installing the roof ladder fasteners, the position and quality of the battens must be ensured.

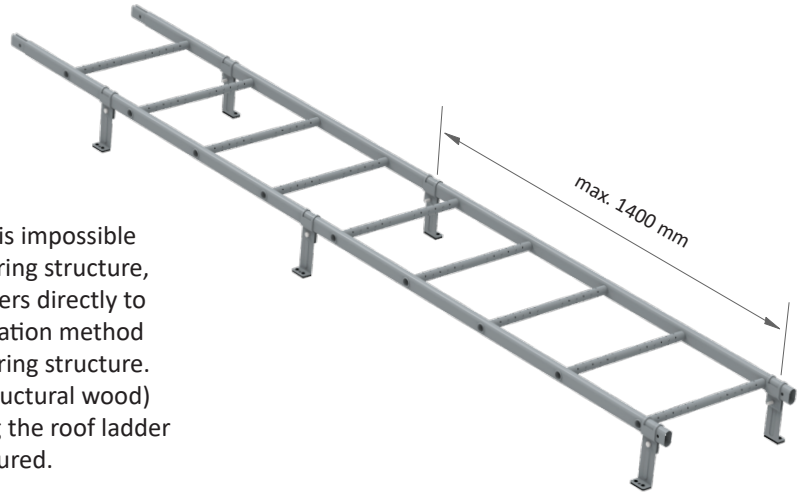


figure 1

- Install the roof ladder fasteners on the ladder frame at max. 1400 mm intervals (figure 1).
- Place the EPDM Rubber sealants at the base of the roof ladder fasteners and attach at least the top and bottom ends of the roof ladder fasteners to the battens with one 7x40 mm HVAC-screw.
- The roof ladder fasteners between the top and bottom ends are accurately positioned in the center of the battens (figure 3).
- Attach the roof ladder fasteners with M8x30 hexagon bolt to the ladder frame (figure 2).
- If necessary, the extension of the ladder frame shall be done by adding the ladder frame to the top of the previous frame (figure 4). Secure the joint with M8x40 hexagon bolt and M8 hexagon nut (figure 4).

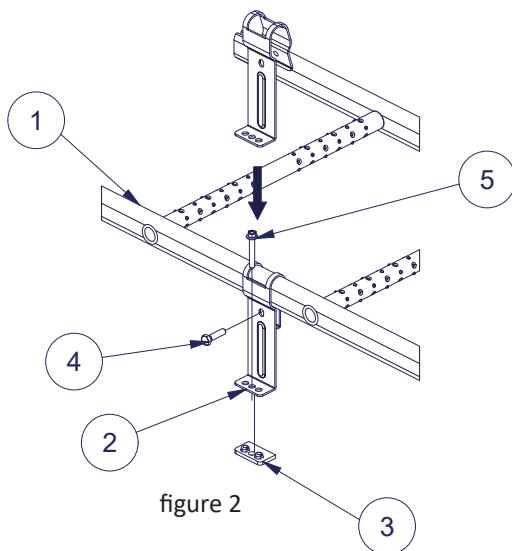


figure 2

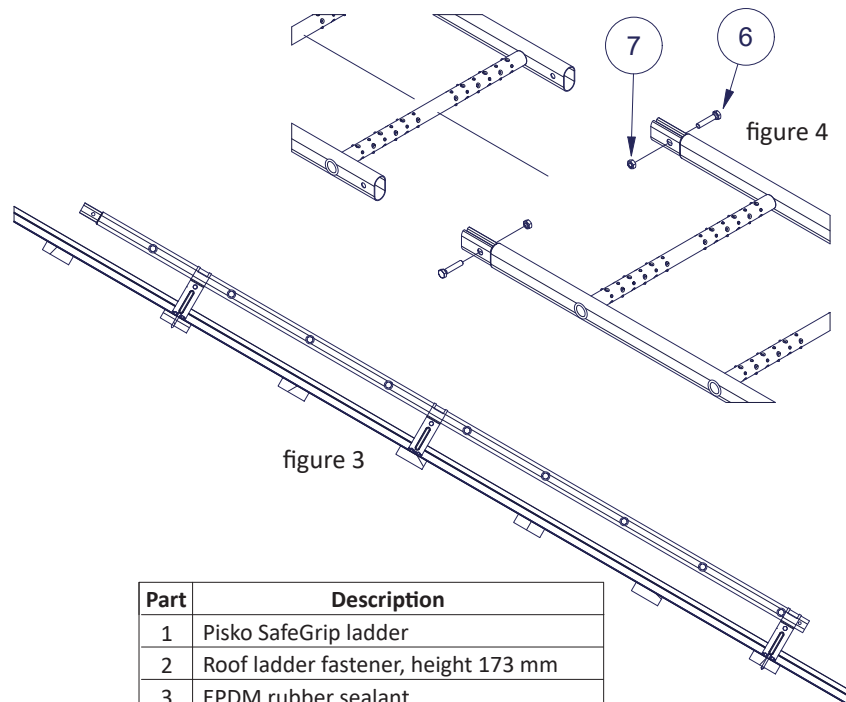


figure 3

figure 4

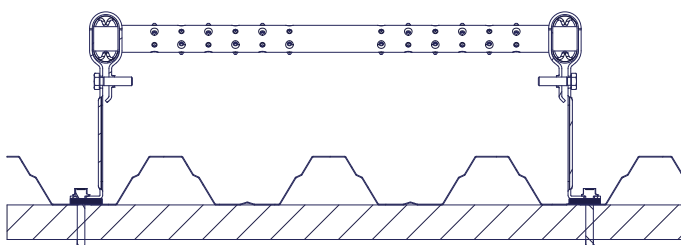


figure 5

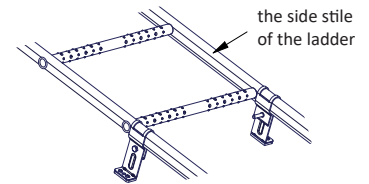
Part	Description
1	Pisko SafeGrip ladder
2	Roof ladder fastener, height 173 mm
3	EPDM rubber sealant
4	Hexagon bolt M8x30 mm
5	HVAC-screw 7x40 mm
6	Hexagon bolt M8x40, hot-dip galvanized
7	Hexagon nut M8, hot-dip galvanized

USE

Roof ladder 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 (Ministry of the Environment Decree on the safe use of buildings on January 1, 2018). Standard EN 12951 provides two installation options for roof ladders: class 1 and class 2. Using personal fall protection equipment, a person is only allowed to attach themselves to a roof ladder, which is installed in accordance with class 2. Pisko SafeGrip roof ladder has been dimensioned against 1,5 kN (~150 kg) concentrated load (load from the user).

The Pisko SafeGrip roof ladder for profiled sheets, up to 70 mm of height conforms to standard EN 12951, having undergone static and dynamic tests per class 2. An appropriate safety rope can be fixed to a roof ladder, 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). 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
- The recommended safety rope fixing point is the side stile of the ladder
- Only one person at a time, with a total weight of max. 100 kg, including the equipment, is allowed to fix a safety rope to the roof ladder.
- The safety rope must be fixed to the roof ladder only in the space between the roof ladder fasteners, that connect the ladder to the roof structure.
- The safety rope shall never be fixed to the support feet of the ladder
- The safety rope may only be used towards the eave on the pitched roof area where the roof ladder 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.

The property owner must have all roof safety products, that have been installed and used according to class 2, and personal safety equipment inspected by a professional authorized 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 ladders 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.

CE
Piristeel Oy Metallitie 4, 62200 Kauhava Finland 18
EN 12951 Pisko SafeGrip roof ladder for profile metal sheet roof, 1337 TB 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 by

- According to class 1:
- According to class 2:

COMPANY

INSTALLER