

PISKO SAFEGRIP ROOF LADDER FOR FLAT STEEL AND BITUMEN ROOFS, 1336

Pisko roof ladders for flat steel and bitumen roofs are used as extensions of wall-mounted ladders and/or roof walkways to create safe access paths on flat steel and bitumen roofs. 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 rung width of 400 mm and rung diameter of 25 mm.

INSTALLATION

Corrosion protection of all fasteners must be at least 50 µm zinc.

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.

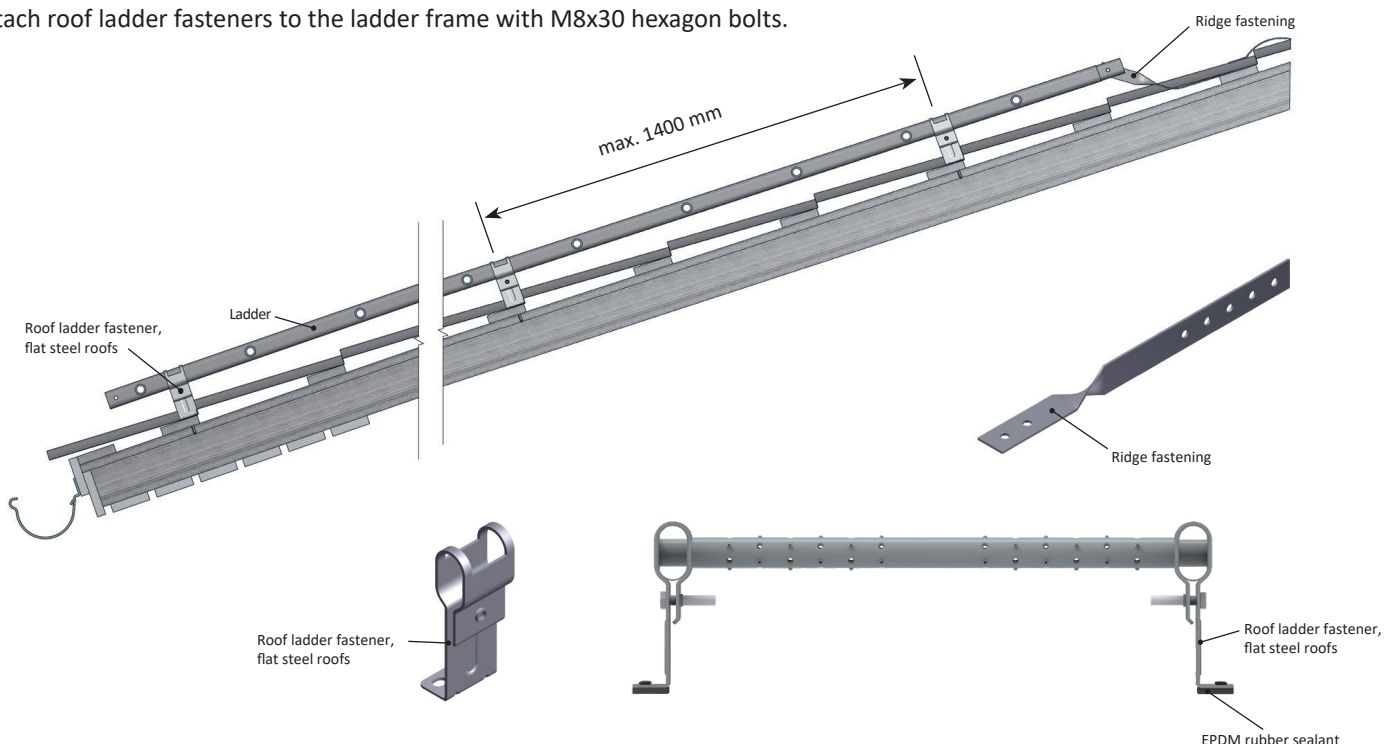
If the ladder is to be extended, the extension must be attached to the top end of the ladder. Secure the joint with M8x40 hexagon bolt and M8 hexagon nut.

Roof ladders are fastened to flat steel and bitumen roofs using roof ladder fasteners.



Installation according to class 1 / class 2:

- Place the EPDM rubber sealants on the base of the roof ladder fasteners.
- Install the roof ladder fasteners on the ladder frame at approximately 1400 mm intervals.
- Then attach the top and bottom ends of roof ladder fasteners to the battens with 7x50 mm HPAC screws. For class 1 installations, the top end can also be attached from beneath the ridge flashing using a ridge fastening. Attach the ridge fastening to the ladder frame with M8x40 hexagon bolt M8 hexagon nut and to the batten with one 7x50 mm HPAC screw.
- Finish by carefully positioning the roof ladder fasteners in their places on the battens and tighten them to the ladder frame. Attach roof ladder fasteners to the ladder frame with M8x30 hexagon bolts.



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.

The Pisko roof ladder for flat steel and bitumen roofs conforms to standard EN 12951, having undergone static and dynamic tests per class 2. A safety rope can be fixed to a roof ladder, which is installed in accordance with class 2. Moreover, the following must be taken into consideration when using a safety rope:

- 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 the rung of the roof ladder.
- The safety rope must not be fixed to the free rungs below the lowest fastener that is fixed to the roofing / roof boards or to the roof ladder fasteners.
- The safety rope may only be used towards the eave on the pitched roof area where the roof ladder is installed.

MAINTENANCE

As long as the Pisko products are installed in accordance with the instructions, they have a long life cycle and they are safe to use, guaranteed by the continuous quality control and R&D by Piristeel Oy. In order to ensure the safe use and the long life cycle, the property owner must perform the annual inspection and maintenance procedures and ensure that the snow load is not exceeded, as specified in the regulations.

The property owner must check the roof safety products and personal protective equipment, installed in accordance with class 2, by outsourcing this annually to a person authorized by the manufacturer.

The annual inspection and maintenance areas for the Pisko products:

- Check the tightness of the joints and points of attachment.
- Check the fastenings in the roof.
- Remove the excessive snow load in order to minimize the stress on structures and points of attachment (as necessary, several times during winter).
As necessary, remove snow and ice from the floor bridges.
- Check the the painted and galvanized product surfaces and, as necessary, repair local damages and perform touch-up painting.
- Replace or repair any damaged or faulty parts as soon as possible.

Piristeel Oy Metallitie 4, 62200 Kauhava Finland 18
EN 12951 Pisko SafeGrip roof ladder for flat steel and bitumen roofs, 1336 TB Mechanical strength: Class 1 and Class 2 Fire safety: Class A1 Durability: Z275 + powder coating 80µm Resistance to external fire: Estimated to meet the requirement

This product has been installed by

COMPANY

INSTALLER

According to class 1:

According to class 2: