

INSTALLATION GUIDE

BITUMEN ANCHORPOINT



kedge»



The bitumen anchor point is created for flat roofs with various types of bitumen roofing material on top. This installation guide ensures that you can install the Kedge Anchor Points quickly and easily.

TOOLS AND EQUIPMENT

Installing an anchor point requires nothing more than the tools that are part of every roofer's standard equipment. Besides a gas cylinder, blowtorch and fire extinguisher, all that is needed are tools to thoroughly clean the surface and a roller to firmly oppress the rosettes into place. It is important that the installer has demonstrable experience working with bitumen roofing materials.

REQUIREMENTS

The anchor point can be installed on flat roofs with a pitch of less than 15 degrees. The anchor point can only be used on so-called 'modern' multilayer bitumen roofing materials. These are roofing materials made of APP- or SBS-modified bitumen with at least a polyester inlay. It makes no difference whether the roof is insulated or not.

The anchor point may be installed on the following bitumen roofing systems:

- Mechanically fastened (MF) with a minimum of 3 fasteners per m² ;
- Loose laid and ballasted (L), minimum gravel ballast of 40 mm thick (approximately 60kg/ m²);
- Partially bonding surface of 50% of the total area, on a mechanically fastened modified bituminous roof waterproofing system.

An old mechanically fastened roof with an overlay consisting of a single layer of partially bonded roofing material can be considered a multilayer system.

Size and positioning

The exact location of the Kedge should be determined in consultation with the owner of the building. Preferably, a risk inventory & evaluation (RI&E) with a plan of approach should form the basis for this decision. At least 2 meters of roofing material must be present around the centre of the anchor point.

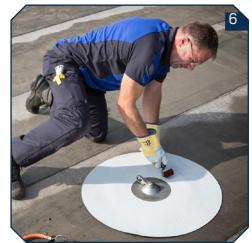
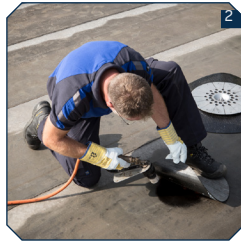
The positioning of the kedge anchor point depends on the situation on site and the desired use. Kedge Safety Systems always recommends to always working on flat roofs while being hooked up to a lifeline in accordance with the working method for area limitation. The correct position of the anchor points is essential here.

Attention!

The Bitumen anchor point must never be installed on the following surfaces:

- Mastic roofing material
- Bituminised glass fleece roofing material
- Roofing materials made of blown bitumen
- Roofing materials with no inlay
- Synthetic roofing materials
- Roofing materials with extreme signs of ageing
- Any other non-specified roofing materials





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1. The surface must be dry and free from dirt, dust, moss and algal growth. It is not necessary to apply primer to the anchor point or the surface.
2. Start by fitting the bitumen base rosette with a diameter of 435 mm. The rosette should be bonded to the surface using the blow torch method. You should use a roller to ensure that the rosette is fully bonded to the surface.
3. Heat the top of the roofing material rosette with a blowtorch until the bitumen is sufficiently melted.
4. Heat the metal base profile of the anchor point. Immediately afterwards, heat the base rosette once again and press the base profile (Still hot) of the anchor point into the hot bitumen.
5. Firmly press the base profile of the anchor point into place using a roller.
6. Lift the rosette as far as possible and bond it fully to the base profile of the anchor point. Then press the rosette into place using a roller.
7. Following this, fully bond the rosette to the roofing material.
8. Firmly press the rosette completely into place with a roller until a small trail of bitumen becomes visible.
9. It is essential that the rosette is fully bonded to the roofing material.



Safe use



Unsafe use

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The working method for area limitation is the go-to advice regarding fall restraint. The principle of this method is that the length of the line is set to ensure that the user cannot fall over the roof edge. In practice this means that the user stops well before the roof edge and that the user adjusts the line until it is in a tight and fixed position.

Proper use is almost impossible without proper inspection. Therefore, before use, ask yourself the following:

- Is the eye not deformed or damaged?
- Are the profiles still intact?
- Is the fastening rosette still attached?
- Did the roofing material around the anchor point come loose or does it show any defects such as severe wrinkling, blistering, crazing or cracking?

It is important to inspect the anchor point periodically and before each use to ensure safety.

The Kedge Anchor Points generally require little maintenance. This is only required in case of exceptional fouling in the form of moss and algal growth or other severe fouling. Any fouling should preferably be removed periodically by wiping and brushing. The anchor point must not be cleaned with cleaning products. If thorough cleaning is required anyway, only water may be used for this. It is important to inspect the Kedge Anchor Point periodically and prior to every use, to guarantee its continued safe use.

Is an anchor point damaged? Then an anchor point must be completely replaced by a new one. It must be installed as described in the installation manual. No items may be changed or added to an anchor point without the prior express written approval of the manufacturer.

An anchor point lasts at least 10 years. So that's a while. However, the service life of the anchor points depends greatly on the conditions on the roof. Examples are the level of fouling, the condition of the roofing material and the frequency of use. An anchor point offers protection until a routine inspection determines that it may no longer be used.

Doubts about reliability? Stop using the anchor point! Defects found must be reported immediately to the (building) owner. If exposed to an extreme load or misuse, an anchor point must never be used again and must be replaced immediately.

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