

GENERAL RECOMMENDATIONS
FOR INSTALLATION OF EASYROOFING

! IMPORTANT: This instruction describes the installation of the material on pitched roof structures with solid non-flammable bases. Recommendations for the material installation on flat roof structures can be found in the relevant instructions.

The material is installed on a solid non-flammable base cleaned from dirt and dust and treated with bitumen primer in advance.

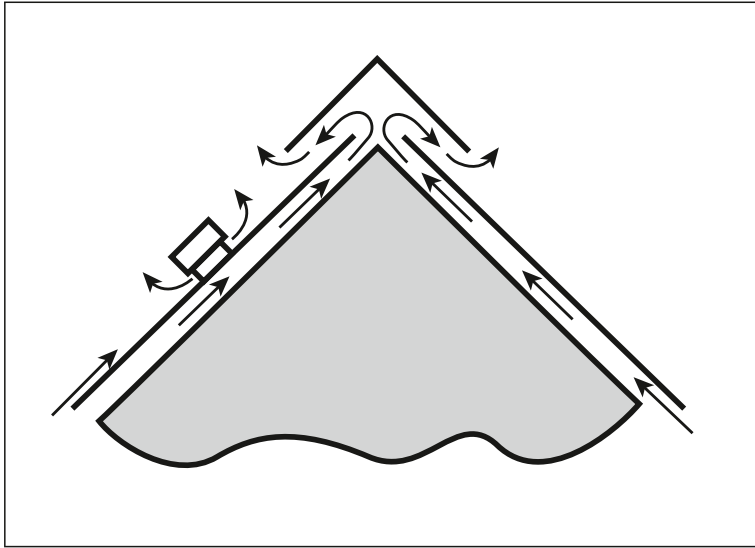
Roofing works are carried out at a positive temperature.

To avoid slight discrepancy between color shade and pattern contour in different rolls, it is recommended to use the materials of the same production lot.

! ATTENTION!
To avoid an appearance of stains and shoe footprints, it is not recommended to walk on the roof in hot sunny weather. A special footwear should be used to move along the roof slope.

PREPARATION OF THE ROOF DECKING

VENTILATION

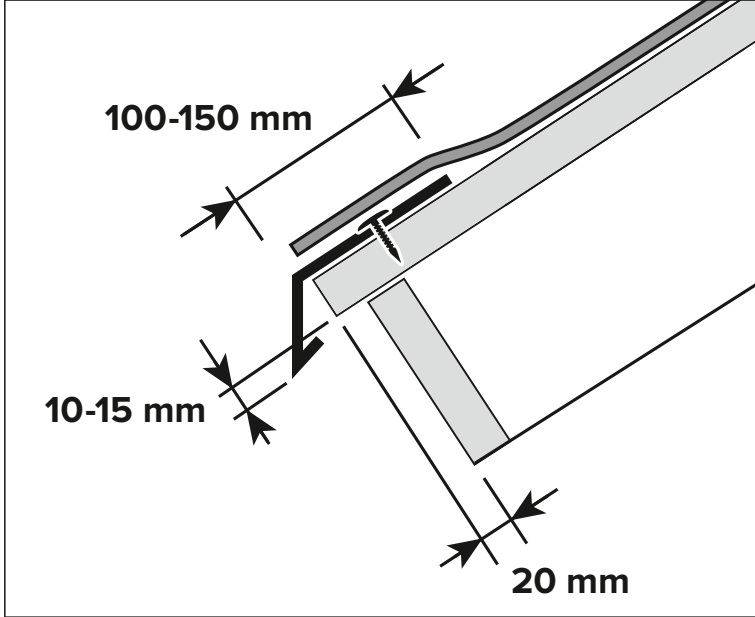


To increase the underroof structure service life, it is required to provide ventilation, especially above the operational attic floor.

Normal ventilation of the pitched roof is provided by three main elements: openings for outside air intake, channels above thermal insulation for its circulation, and exhaust openings in the upper part of the roof. To reduce the pressure in the attic room, the area of exhaust openings should be 10-15% more than for the intake openings. It is necessary to create air draft.

! IMPORTANT: Underroof ventilation system should exclude the possibility of forming the areas of air stagnation, the so-called «air pockets». In other words, it is necessary to provide aeration of the entire underroof space with external air.

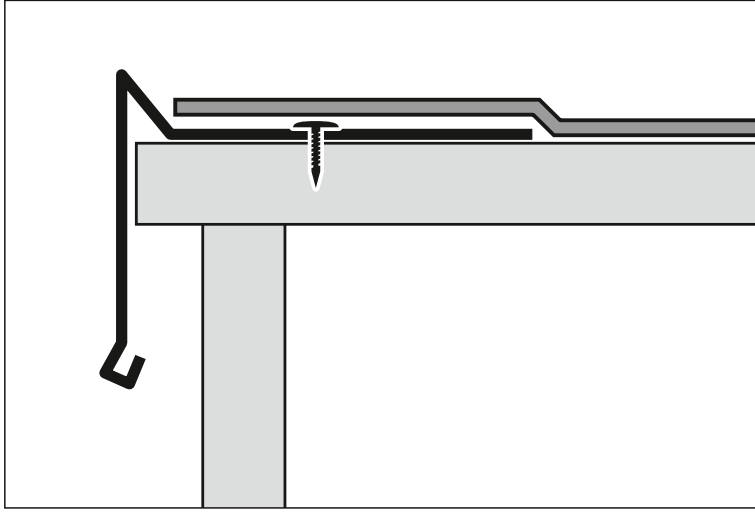
EAVE



Roofing eaves are reinforced with metal drip edges.

They are installed on the edge of the roof and fastened in a staggered manner with special self-tapping screws with a span of 120-150 mm, and in areas of overlaps of 20-30 mm. Drip edges should overlap for 30-50 mm.

PEDIMENT EAVE



The roof pediment eave is reinforced with metal end slats, which are fastened in a staggered manner with special self-tapping screws with a span of 75 mm, and in areas of overlaps of 20-30 mm.

! IMPORTANT: Eave and pediment slats protect roof ends from moisture penetration in the underroof space, thereby prolonging the roof lifetime. Moreover, they have decorative properties.

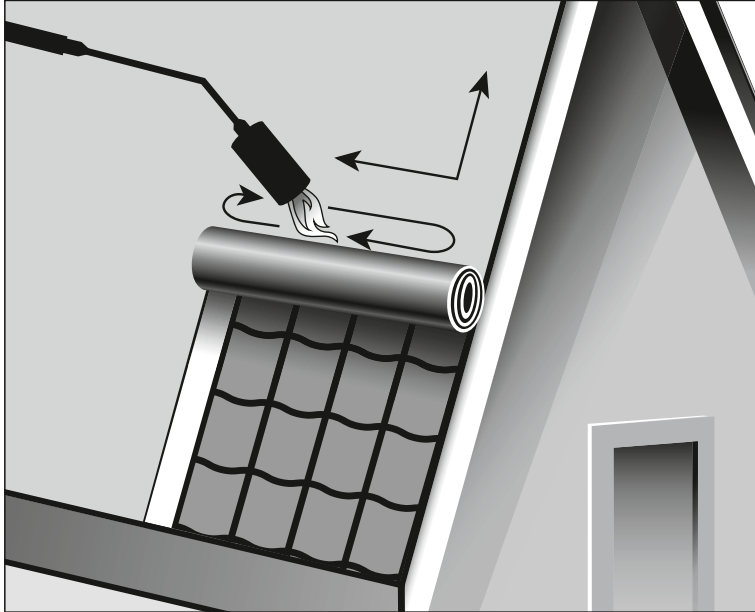
EASYROOFING INSTALLATION

MATERIAL INSTALLATION ON THE ROOF

The rolls of the material are installed perpendicular to the ridge of the pitched roof within the appropriate range of roof slopes. That way of installation corresponds to the pattern of the material.

| Roof slope | Installation method |
|------------|---|
| 1-14° | Torch-on application |
| 14-60° | Torch-on application with additional mechanical fastening |

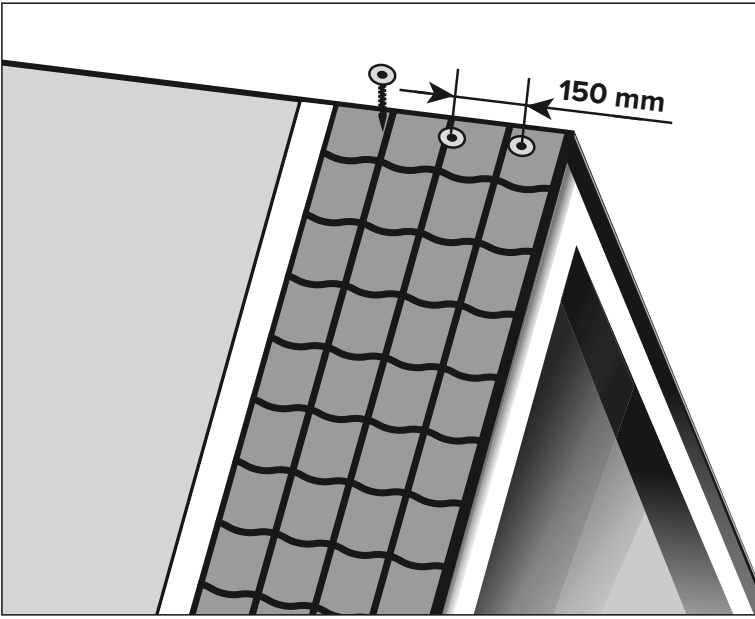
INSTALLATION RULES



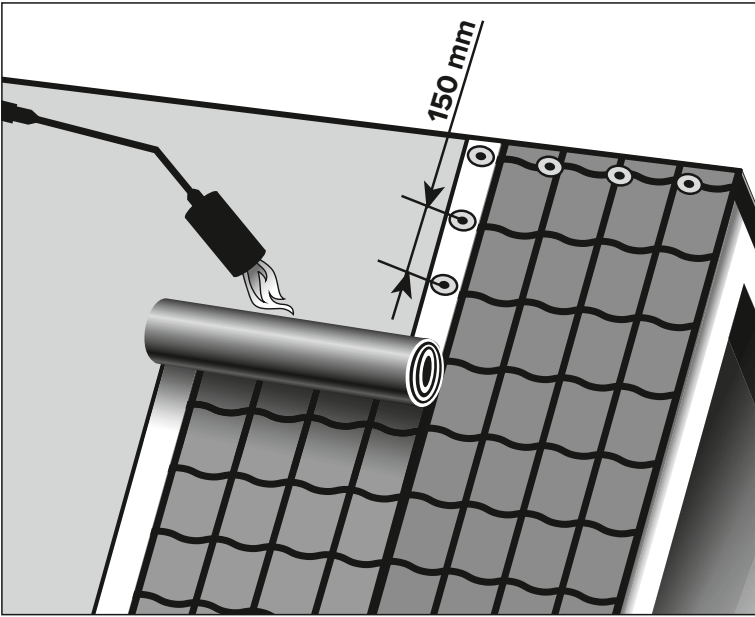
The application surface must be cleaned of dust, debris, grease, leaves, oil and should not have gaps and cracks or other irregularities to ensure proper adhesion of the membrane. Surface must be treated with bitumen primer before installation of roofing material.

Adjust the material. Make sure the pattern geometry is correct. When the material is arranged in accordance with the geometry of the slope, install it from the bottom upwards onto the roof surface, controlling the flowing-out of the bitumen binder.

! IMPORTANT: To avoid spoiling of the granules and pattern, it is forbidden to walk on the front surface of the material during the torching and until the material is fully cooled off.

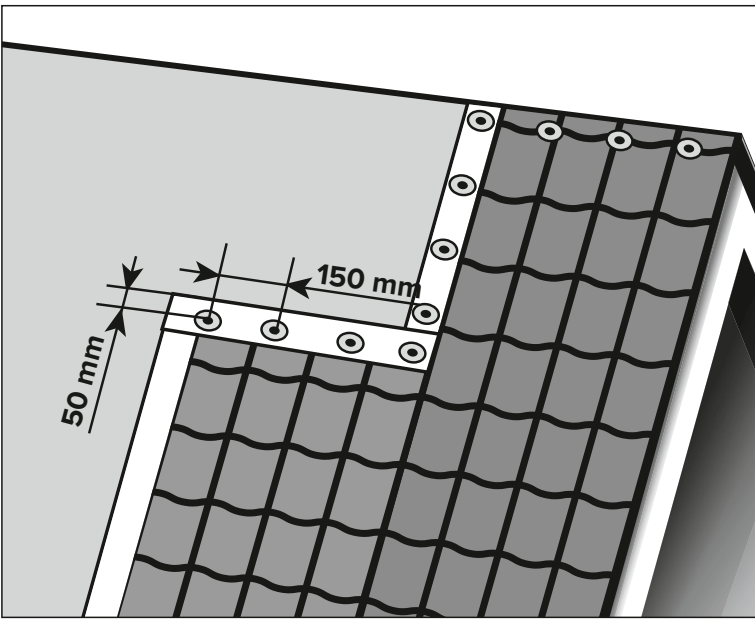


In case the slope of the roof exceeds 14°, perform an additional mechanical fastening of the material in the ridge zone with galvanized self-tapping screws with washers after the torching. The fastening span has to be 150 mm with a 50 mm shift from the edge of the material.



In case the slope of the roof exceeds 14°, fasten the material to the surface in the zone of a lateral overlap with galvanized self-tapping screws with washers. The fastening span has to be 150 mm.

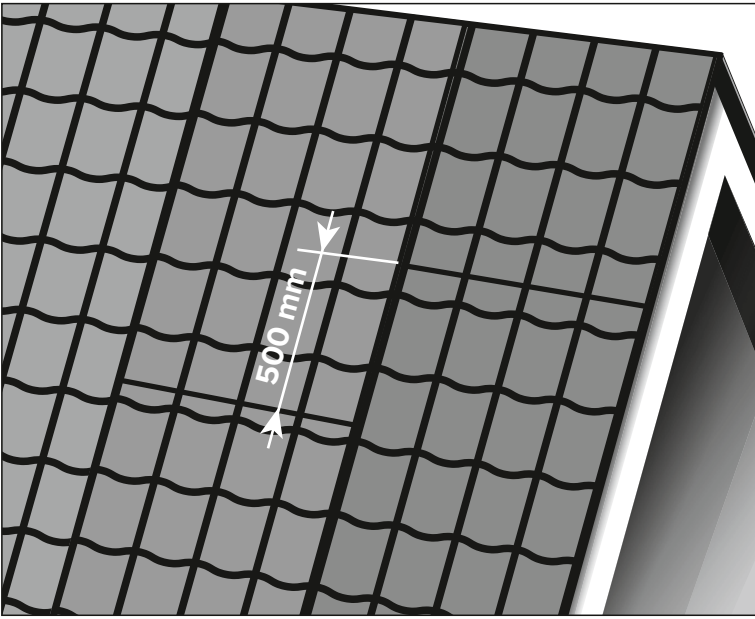
The next roll of EASYROOFING is installed from the bottom upwards with a lateral overlap of 100 mm. Make sure that the flowing out of bitumen in the zone of lateral overlap should not exceed 2 mm. It is necessary in order not to spoil the pattern integrity on the roof.



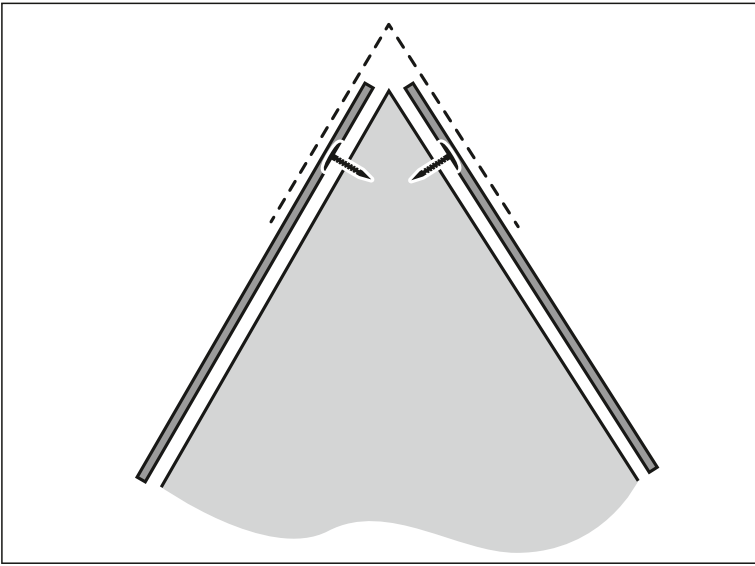
If a transverse joint occurs on the roof, fasten the material to the surface in the zone of an overlap with galvanized self-tapping screws with washers. The fastening span has to be 150 mm with a 50 mm shift from the edge of the material.

Then align the following piece of the material and torch it onto the underlying layer in the zone of a transverse overlap. An overlap should be at least 150 mm wide, but it depends on the pattern of the adjacent sheets.

! IMPORTANT: In case of mechanical fastening in the zone of the overlaps all self-tapping screws should be covered with the following layers of the material. The integrity of the top layer should never be disturbed.

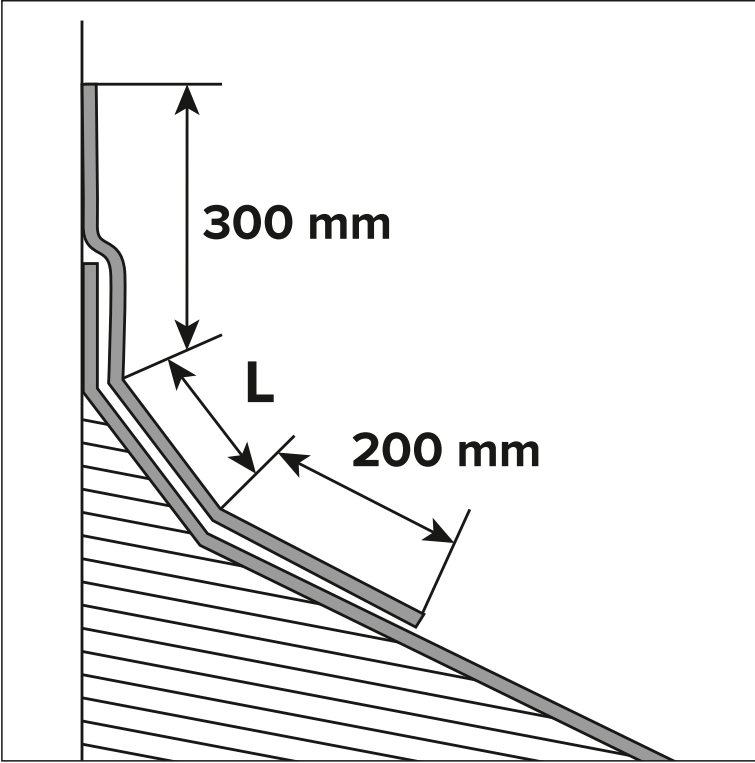


The distance between adjacent transverse overlaps should be at least 500 mm. When installing lateral and transverse overlaps it is important to form the correct matching of the pattern.



Install the material on the other roof slope in the same manner.

EXECUTION OF JUNCTIONS

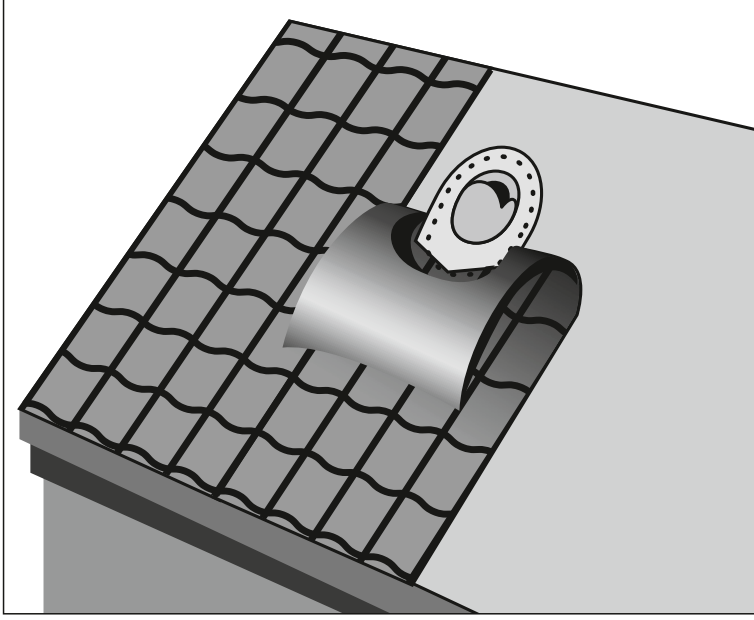
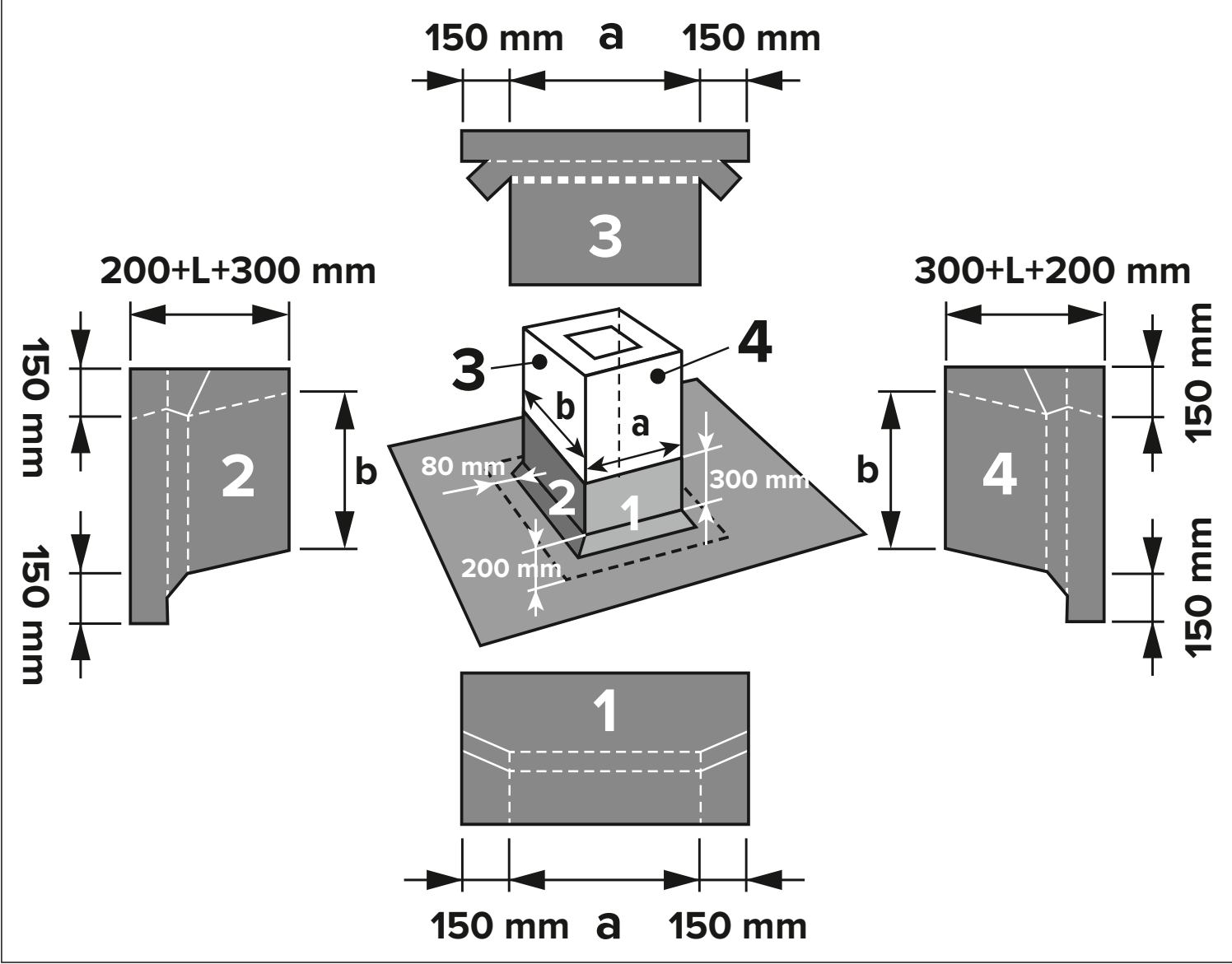


EASYROOFING is also used for creating the junctions to the vertical surfaces. Patches should be installed with at least 200 mm overlaps on the surface covered with the main EASYROOFING layer and at least 300 mm overlaps on the vertical surface. Fasten the upper edge of the patch to the vertical surface with a profiled metal edge strip with a fastening span of 200 mm.

The upper junction of the strip should be sealed with a roofing sealant.

The size of a fillet is specified in place.

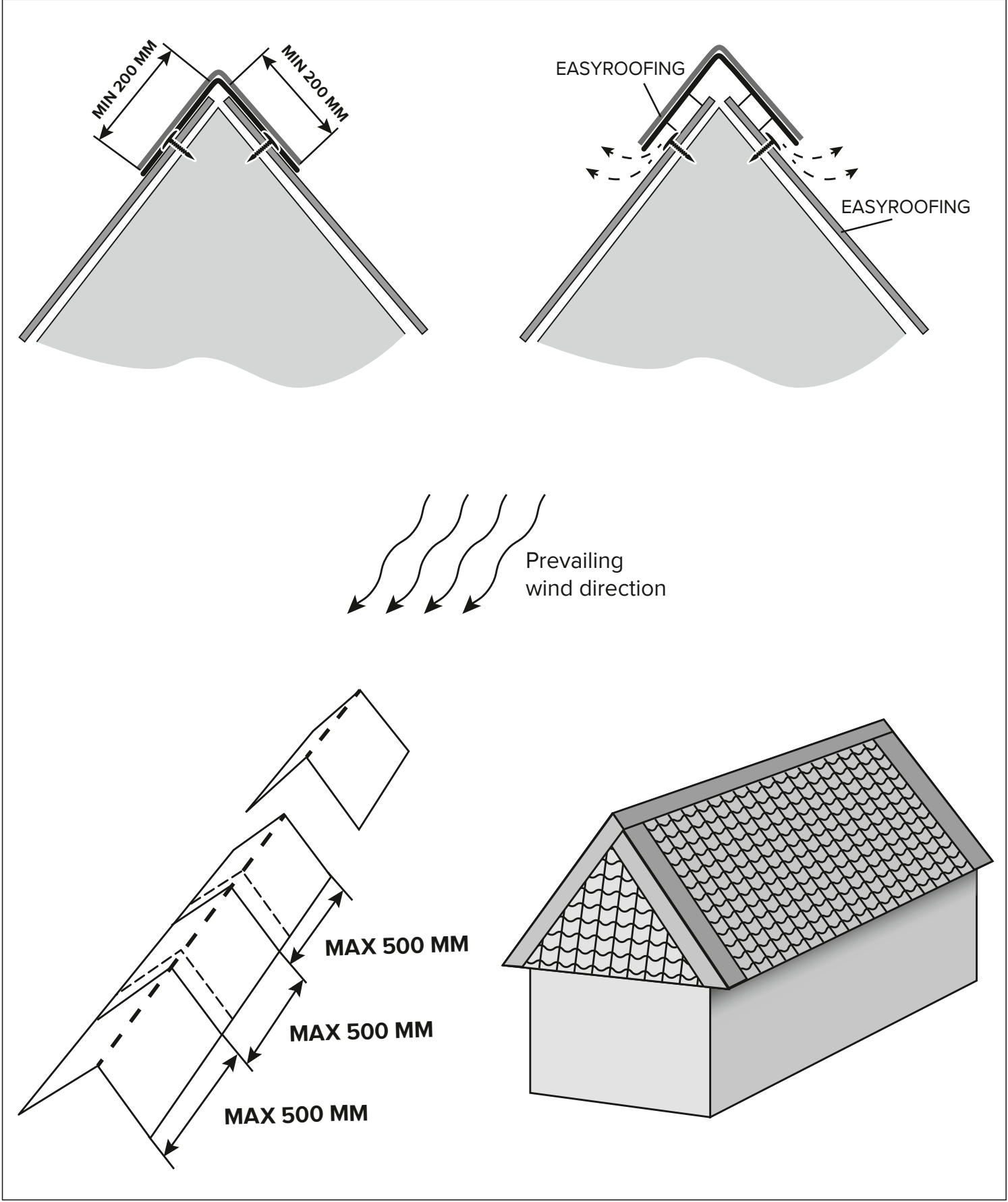
To seal smoke and ventilation pipes several patches should be made of EASYROOFING or metal sheet with an anti-corrosion coating. Use the scheme below to prepare patches of the required size.



Sealing of the lower parts of roofing penetration elements, antennas, communication pipes is carried out by means of special penetration flashing elements. The holes for them are cut out in the material in place. At first, the penetration flashing element is installed on the roof, then the material itself is installed on the top of its fastening part.

INSTALLATION OF HIPS AND RIDGES

Hips and ridges should be made of EASYROOFING. However, it is also possible to use special metal roofing components with an anti-corrosion coating for these elements.



HIPS

Roofing elements for hips and ridges are cut from EASYROOFING material in accordance with the scheme above. The length of the cut-out elements should not exceed 500 mm. Each element should be at least 400 mm wide.

For installation of the element, align the fragment to the hip and torch it. In case the slope of the roof exceeds 14°, perform an additional mechanical fastening of the element to the surface. Each side of the fragment has to be fastened with two galvanized self-tapping screws with washers in the zone of the future overlap.

Adjacent pieces of the material for hips should overlap for 150 mm and should be arranged from the bottom upwards so that the upper fragment of the material always covers the underlying one.

RIDGES

Ridge elements should be installed against the prevailing wind direction similar to the hips elements. On the roofs, where no supply ventilation through the ridge is provided, the ridge elements are made of EASYROOFING or of special metal roofing components.

RECOMMENDATIONS FOR ROOF MAINTENANCE

1. The roof condition should be carefully inspected before the seasons of maximum precipitation.
2. Leaves, branches and other small debris should be removed from the roof with a soft brush. The use of sharp tools is forbidden.
3. Objects with sharp edges should be removed from the roof manually.
4. To provide free water drainage from the roof, gutters and pipes are to be cleaned as they become clogged.
5. For the purpose of prevention, it is required to inspect and, if necessary, repair penetration elements, holes, cracks, elements made of metal sheets, etc.

FINAL CLAUSES

TECHNICOL Corporation recommends using these instructions when installing EASYROOFING membrane on pitched roofs. In case of failure to comply with the given application instructions, using non-recommended components, violations of building codes and rules during designing of roofing structures and carrying out the roofing works the product warranty is void.

For more details please give us a call: +91 22 2872 8691.

All additional information on this product, as well as on other products of TECHNICOL Corporation can be found on the website WWW.TECHNICOL.IN