

# ROOF GARDEN

## INSULATED CURRENT SECTION

### Para. 1

Masonry and cement support and sloping screed of sand and cement mortar drawn to a straight edge and, if necessary, smoothed using a trowel. Before laying the membrane, treat the entire surface of the screed that comprises waterproof, as well as the overlaps, with **PRIMER V 70**, applying this at a rate of  $200 \div 300 \text{ g/m}^2$ , and in any case using a sufficient quantity to ensure adherence of the waterproof membrane.

### Para. 2

4 mm thick NB polymer modified bitumen underlayer membrane, (reinforced with spunbound polyester non-woven fabric, reinforced composite), torched on in complete adherence and carefully welded to the overlap (minimum overlapping: 80 mm side and 150 mm butt - actual minimum adhesion: 60 mm side and 100 mm butt - for butt joints, a maximum overlapping of three canvases will be allowed) and in correspondence with all the perimeter details.

### Para. 3

Supply and installation, for heat or hot air canvas, in correspondence with the vertical laps, of a 25 cm high strip of 4 mm thick NB bitumen membrane (see para. 2).

### Para. 4

4 mm thick **ITER ANTIRADICE**, finishing waterproof membrane, (BPP elastoplastomer polymer bituminous membrane reinforced with spunbound polyester non-woven fabric) torched on, in sufficient quantity and in the same direction as the basic membrane but with staggered longitudinal joints (that is, laying the canvases of the 2nd layer straddling the 1st one), completely adhering and carefully welded on the overlaps (minimum overlapping: 80 mm side and 150 mm butt - minimum actual adhesion: 60 mm side and 100 mm butt - for butt joints, a maximum overlapping of three canvases will be allowed) and at the point of all the perimeter details.

### Para. 5

Doubling corner element with membrane, with specifications as described above, to waterproof the vertical one that will overlap the horizontal one by at least 10 cm, and welded for thermal-tempering with specific safety or hot air burner.

The height of the vertical one will be equal or greater than 15 cm from the height of the upper finishing of the cover.

### Para. 6

Drainage separation element on the flat and on the vertical ones up to metallic flashing of the protection and drainage layer made up of a drainage structure in plastic, polyester or polypropylene filaments with pointed structure and high vacuum index, coupled with two filtering layers in felt, polyester and polypropylene non-woven fabric. Thickness mm .....

### Para. 7

Closed cell XPS insulating panel, with shutter edges, resistant to maximum compression thickness of ..... cm provided, according to the geometric conditions and trend of local gradients, with one of the following frameworks: staggered transversal joints, angular joints and with joints which are, in any case, properly placed alongside each other and well levelled.

### Para. 8

**DRENO 200** separation and filtering layer (polyester non-woven fabric of  $200 \text{ g/m}^2$  in rolls) carefully stretched across the finishing membrane (minimum overlaying between the rolls): 100m side and butt) and in correspondence with all the perimeter details.

### Para. 9

Protection flashing of the membrane peak with a ..... thickness of ..... mm, length of ..... cm, fixed using 1 ..... every ..... cm.

### Para. 10

Upper sealing with bituminous mastic.

### Para. 11

Substrate of culture with high water retention capacity, free of toxic substances and harmful micro-organisms, maximum compression .....%, enriched with ....., pH ..... thickness of ..... cm, water saturation weight .....  $\text{kg/m}^2$  vegetation.

### Para. 12

Alternatively, flashing or wall coping cover with a thickness of ..... mm, length ..... cm, dripstone on either side, gradient towards the cover, fixed using .....

## Indications

The **drainage pipe coupling** will be produced in a pre-shaped bituminous membrane resistant to low temperatures and compatible with any bituminous membrane, with a diameter suitable for drainage.

If possible, create a hollow in the base measuring approx.  $50 \times 50 \text{ cm}$  and 5 cm in depth".

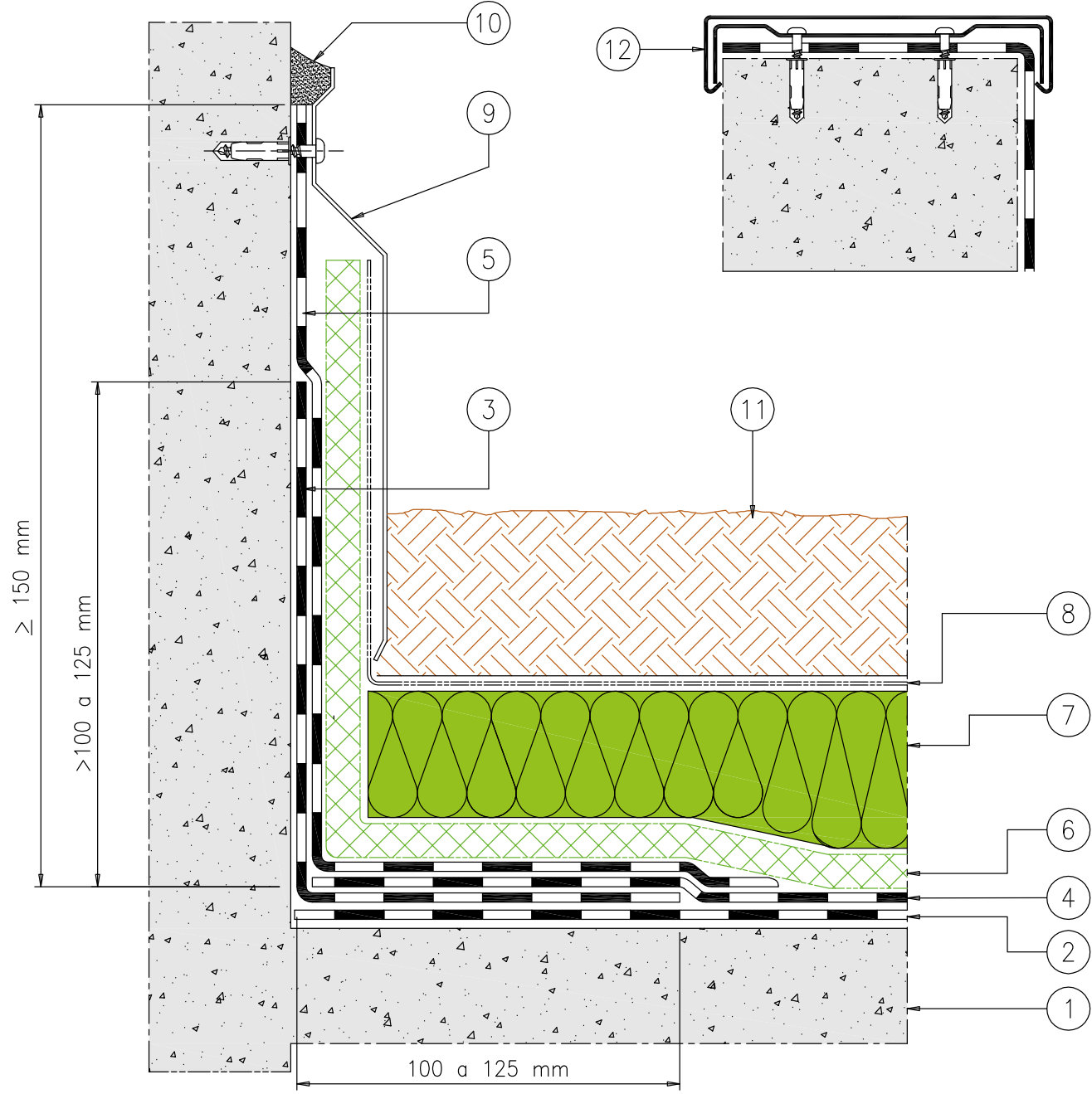
Supply and installation of polyethylene leaf / gravel trap resistant to ultraviolet rays, to protect the drainage pipe.

**Drainage manholes** will be placed in correspondence with the drains, produced in full bricks laid out Quincunx, leaving free passage between one element and another for water, so that rain or irrigation water can flow freely and safely.

The manhole will be covered with synthetic filtering non-woven fabric and will be completed with a grated manhole cover.

**ROOF GARDEN**

INSULATED CURRENT SECTION



1. Support treated with Primer V70
2. NB polymer modified bitumen underlayer membrane
3. NB bitumen membrane corner strengthening strip
4. 4 mm lter Antiradice
5. Doubling corner made with 4 mm lter Antiradice
6. Geocomposite drainage element
7. Heat insulating element in XPS
8. Polyester "Non-woven fabric" filtering geotextile
9. Metallic perimeter protection flashing with mechanical fitting
10. Sealing
11. Growth medium

**Alternatively:**

12. Wall coping cover