INSLATED NON-WALKABLE COVERING

CONCRETE AND MASONRY SUPPORT: ashlar membrane – thermal insulation – visible surface

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 is to be made waterproof, as well as the overlaps, with ***PRIMER V 70***, applying this at a rate of 200 ÷ 300 g/m^2, and in any case using a sufficient quantity to ensure adherence of the waterproof membrane.

Para. 2

Supply and installation, for heat or hot air canvas, in correspondence with the vertical laps, of a 3 mm membrane strip, the height of vertical laps will be at least 15 cm greater than the insulated one.

Para. 3

A) ***Vapour barrier (EN 13707)*** for environments with relative humidity < 70 % in bituminous and plasto-elastomeric based waterproofing membrane with strengthened surfacing mat ***ISOLVAPOR NB VV*** (vapour diffusion resistance factor μ > 40.000) full adherence heat stretched and carefully welded to the overlaps.

The particular structure of the upper ***ISOLVAPOR NB*** face comprises "ashlar" elements linked to the special bituminous compound, allows for the use of the vapour barrier below the insulating element.

B) ***Vapour barrier (EN 13970)*** for environments with relative humidity < 70 % in bituminous and plasto-elastomeric based waterproofing membrane strengthened with aluminium embossed foil ***ISOLVAPOR NB AL*** (vapour diffusion resistance factor μ > 500.000) full adherence heat stretched and carefully welded to the overlaps.

The particular structure of the upper ***ISOLVAPOR NB*** face comprises "ashlar" elements linked to the special bituminous compound, allows for the use of the vapour barrier below the insulating element.

Para. 4

Insulating system obtained with the continuous coupling of a specific elasto-plastomer polymer bituminous membrane with polyurethane foam panels (***NORDPOL PUR***) or EPS 150 sintered XPS (***NORDPOL EPS***) or self-extinguishing extruded (***NORDPOL XPS***)

The elastoplastomer polymer bituminous membrane (BPP), applied to the panel, will be smooth with polyester non-woven fabric reinforcement (POL) or layer of strengthened surfacing mat (VV).

The insulating system will be arranged according to the geometric conditions and trend of local gradients, with one of the following frameworks: staggered longitudinal joins, staggered transversal joins, angular joins and with joins which are, in any case, properly placed alongside each other and well levelled.

The installation of panels on the vapour screen or vapour barrier should be done by carefully placing each panel in juxtaposition to adjacent panels, the panels will adhere effectively and safely to the ***ISOLVAPOR NB*** for simple heat canvas of the upper ashlar face of the membrane, previously placed on the installation level.

The thickness of the insulating system should comply with current legal standards for energy saving in buildings and should be of a suitable size to avoid the dew point being below the vapour barrier.

Para. 5

4 mm thick NB polymer modified bitumen underlayer membrane, (reinforced with spunbound polyester non-woven fabric), 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 joins, a maximum overlapping of three canvases will be allowed) and in correspondence with all the perimeter details.

Para. 6

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. 5).

Para. 7

NB polymer modified bitumen mineral cap sheet membrane,(reinforced with spunbound polyester non-woven fabric , reinforced composite, self-protecting reinforcement with chips of natural slate, installed in sufficient quantity and in the same direction as the basic membrane but with staggered longitudinal joins (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 joins, a maximum overlapping of three canvases will be allowed) and in correspondence with all the perimeter details.

Para. 8

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.

Para. 9

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

Para. 10

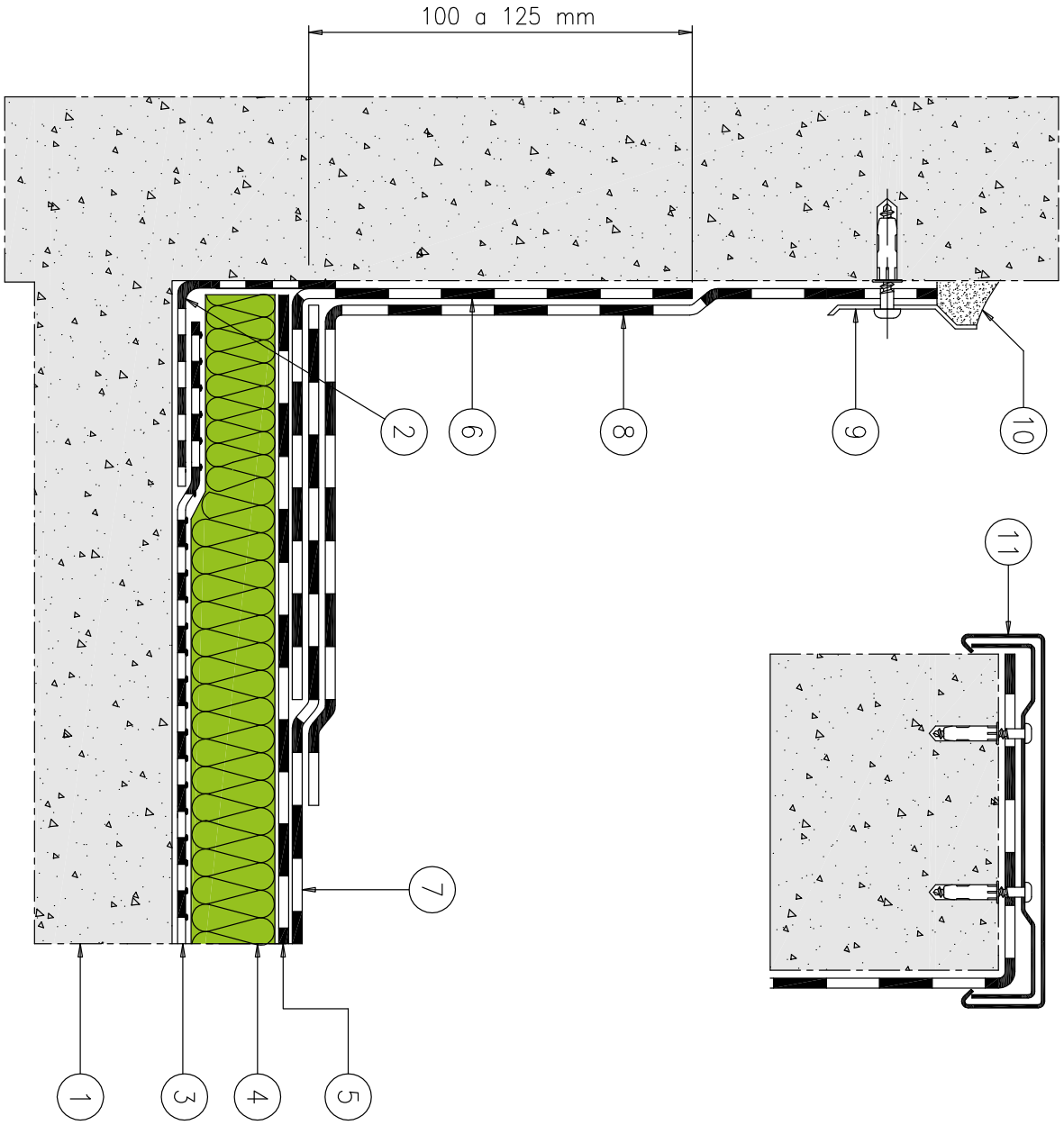
Upper sealing with bituminous mastic.

Para. 11

Alternatively flashing or wall coping cover with a thickness of ..... mm, length of ..... cm, dripstone on both sides, sloping towards the cover, fixed with .....

INSLATED NON-WALKABLE COVERING

CONCRETE AND MASONRY SUPPORT: ashlar membrane – thermal insulation – visible surface



1. Support treated with Primer V70
2. NB bitumen membrane corner joint strip
3. Vapour screen or barrier in Isolvapor NB ashlar membrane
4. Nordpol coupled heat insulating element
5. NB polymer modified bitumen underlayer membrane
6. NB bitumen membrane corner strengthening strip
7. NB polymer modified mineral bitumen cap sheet membrane
8. Doubling corner made with NB mineral bitumen membrane cap sheet
9. Metallic flashing with mechanic fitting
10. Sealing

Alternatively:

11 Wall coping cover

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