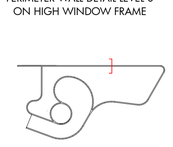
PERIMETER WALL DETAIL LEVEL 0
ON HIGH WINDOW FRAME



KEYMAP DETAIL

The green coating has slopes > 5%. Ensure system with high water absorption capacity.

Drainage channels diameter 10 cm with adequate quantity of gravel
Sedum-like vegetation with lightened soil
Draining mat Drenalit
Hygroperlite
Draining mat
Draining layer type Enkadrain or retention plates type Swisspor EPS WS 40 or WSD 60
Progum type waterproofing protection layer
Waterproofing: Bituminous sheath compatible with the insulation provided. First layer dry; second layer welded; with root protection.
10+10 cm Thermal insulation type Swisspor PUR Premium (λ ≤ 0.020 W/mK)
Swisspor BIKUVAP LL EVA type polymer bitumen vapour barrier with sealed joints.
Hanging plants, jasmine
Perforated separation sheet

OUTSIDE

p = 2%

+ 3.54
+ 3.10
+ 2.85
22
44
25
12
30
120
24⁸

Resin
Ensure compatibility between the two types of waterproofing. Minimum overlap 10 cm.
External plaster
Reinforced concrete slab
Chalk and white colour painting
2cm x 120cm Styrofoam in casting
Vapour barrier overlap with plasterable tape. Ensure vapour and airtightness.
Punctual anchorage. Ensure thermal disconnection.
Elastic support type Pronuovo or decoupling felt for plasterboard profiles
14 cm Swisspor-type thermal insulation LAMBDA Universal 029 (λ ≤ 0.029 W/mK)
Steam barrier sd 1500 m with sealed joints.
5 cm Mineral wool filling in the wall cavity (λ ≤ 0.035 W/mK)
Plasterboard counterpanel. Five-inch frame. Shaved and lacquered
Vapour barrier overlap. Anchoring tape on window frame. Ensure vapour and airtightness.
Anchorage. Ensure thermal disconnection.
Triangular drip gap.

+ 2.11
+ 2.12
3
6

Fixing of the window and door frame externally air and watertight; internally air and steamtight. Ensure thermal break by filling with polyurethane foam (avoid empty spaces).
Window sill with plasterboard finish.
Windowsill Metal plate.

+ 1.53
+ 1.52
p = 1.5%
2%

Anchorage. Ensure thermal disconnection.
Vapour barrier overlap; tape anchorage on window frame. Guaranteeing vapour and airtightness
Reinforced concrete wall

INTERIOR LEVEL 0

Variable

1 cm Perimeter band type Isover or equivalent
2 cm Wooden Flooring type Ca' Corner Oak Smoked Oak
Light concrete with integrated coil system according to SIA 251. C20-F4 about 7.6 cm.
PE separation sheet
2 cm Sound insulation type Swisspor Roll EPS-T (λ ≤ 0.039 W/mK)
12 cm Swisspor EPS 30 thermal insulation (λ ≤ 0.033 W/mK)
Reinforced concrete slab

23
25

OUTSIDE

Vapour barrier flap. Anchoring on concrete.
Elastic support type Pronuovo or decoupling felt for plasterboard profiles
Punctual anchorage. Ensure thermal disconnection.
Vapour barrier overlap. Anchoring on concrete.
12cm of waterproof transparent paint. It must be guaranteed that it remains transparent.
Resin overlap. 12 cm from the finished surface, plasterable
Punctual anchorage. Ensure thermal disconnection. Apply mastic type BK 535 in order to restore the vapour barrier.
Elastic support type Pronuovo or decoupling felt for plasterboard profiles
Vapour barrier overlap with other vapour barrier
8 cm Thermal insulation type Swisspor PUR Alu (λ ≤ 0.022 W/mK) Integrated steam barrier. The panels must be installed with well matched and staggered joints; they must be fixed to the slab by gluing with Swisspor Foam assembly and mechanical fastening.
Additional steam barrier type Sisalex 518; taped in fittings with tape type Ampacoll XT60
Ceiling anchoring hooks. Ensure thermal break. Apply mastic type BK 535 in order to restore the vapour barrier.
Plasterboard suspended ceiling. Plastered and painted white
Plasterboard counterpanel. 5cm structure.
5 cm Mineral wool cavity filler with mineral wool (λ ≤ 0.035 W/mK)
Steam barrier sd 1500 m with sealed joints.
14 cm Swisspor-type thermal insulation LAMBDA Universal 029 (λ ≤ 0.029 W/mK)
Reinforced concrete wall
Waterproofing: Bituminous sheath. Single layer ≥ 5 mm thick in complete adhesion. Type Swisspor BIKUTOP EP 5 WF
Draining membrane type DELTA-DRAIN

± 0.00
- 0.24
- 0.60
- 0.90
24
36
30

INTERIOR LEVEL -1

23
25

1 cm Perimeter band type Isover or equivalent
2 cm Wooden flooring type Ca' Corner Oak Smoked Oak
Concrete with integrated coil system according to SIA 251. C20-F4 about 7.6 cm.
PE separation sheet
2 cm Sound insulation type Swisspor Roll EPS-T (λ ≤ 0.039 W/mK)
16 cm Thermal insulation type Swisspor PUR Premium (λ ≤ 0.020 W/mK)
PE foil for alkali protection
Reinforced concrete slab
2 cm Progum type waterproofing protection layer
Waterproofing: Bituminous sheathing able to guarantee airtightness against Radon, Swisspor BIKUTOP LL VERTE type.
Lean concrete

Vapour barrier overlap. Anchoring on concrete.
Elastic support type Pronuovo or decoupling felt for plasterboard profiles
Punctual anchorage. Ensure thermal disconnection.
Gravel 16 mm - 32 mm
Drainage channel

- 3.70
- 3.98
- 4.38
280
28
40

Radon measures. Draining tube diameter 100 mm with holes at the bottom.