



Foundations and plinth

Pile foundations, grade beams with three-layer precast concrete external walls and precast concrete internal walls placed thereon.

External walls

Main structure of external wall – three - layer reinforced concrete panel

- Reinforced concrete panel bearing layer (180 mm to 220 mm).
- Grooved heat insulation wool board - 0,035 W/mK.
- Reinforced concrete panel decorative layer, with or without grooves.

Construction of a lift shaft on the roof

- Precast reinforced concrete panel.
- Steam insulation.
- Insulation wool under render - 0,036 W/mK.
- Solid top layer mineral wool board.
- PVC membrane.

Balcony partitions

HPL or fibre cement panel on both sides.

Internal walls

Load-bearing internal walls separating apartments

- Precast concrete walls 200 mm to 220 mm thick with finish ready for painting.

Non-load-bearing walls separating apartments

- 150 mm aerated concrete blocks with 10mm plaster Ton both sides.
- Air separation layer.
- Mineral wool insulation layer.
- Double high-strength plasterboard cover.
- Finishing – wall painting.

Partition walls between dry premises in apartments

- High-strength plasterboard sheet on both sides, metal frame with mineral wool filling. 75 mm and 100 mm frame.

Partition walls between dry and wet premises (WC) in apartments

- Moisture-resistant plasterboard on one side, high-strength plasterboard on the other side, 75 mm and 100 mm frame.

Shaft walls in corridors

- Precast reinforced concrete panels with recess for cables. Cladding with high-strength plasterboard sheet in one layer, spackled and painted. Access hatches are embedded in the plasterboard sheet.

Additional shaft walls

- Bricked with 100 mm, 150 mm or 200 mm Fibo Acoustic blocks.

Walls of storage areas

- Frame partition walls, confining elements.



Floor slabs On floor 1

Main structural elements of a floor on the ground

- Levelling Eshtrih concrete layer.
- PE film..
- Extruded polystyrene XPS 250.
- Load-bearing monolithic reinforced concrete slab.
- Waterproofing membrane.
- Concrete screed layer (50 mm).
- Crushed stone.

On floors 2 - 12

Corridors and common areas

- Solid floor slab.
- Thermowhite WD 100R.
- Thermowhite PR5 soundproofing barrier.
- Levelling Eshtrih concrete.
- Flooring – tiles or epoxy.

In apartments

- Precast reinforced concrete panels.
- Thermowhite WD 100R.
- Thermowhite PR5 soundproofing barrier
- Levelling screed concrete with embedded underfloor heating pipes.
- Flooring.

In areas with lowered floor panels in bathrooms

- Lowered reinforced concrete panel.
- Expanded polystyrene (EPS) insulation.
- Thermowhite WD 100R..
- Thermowhite PR5 soundproofing barrier.
- Levelling screed concrete with embedded underfloor heating pipes.
- Flooring – tiles.

Roofs and terraces Roof over floor 9

terraces

- Precast reinforced concrete panels.
- Steam insulation.
- Slope-forming expanded polystyrene EPS.
- Expanded polystyrene (EPS) insulation.
- Hard mineral wool laid in two layers.
- PVC membrane, roofing material.

Structure of the terrace on floor 9

- Precast reinforced concrete panels.
- Steam insulation.
- Slope-forming expanded polystyrene EPS.
- Expanded polystyrene (EPS) insulation.
- Roofing material: PVC membrane.
- Adjustable terrace deck supports laid on load levelling layer.
- Composite floor boards on top of composite framework.



Roofs and terraces

Roof over balconies on floor 9

- HPL or fibre cement panel, ventilated part of the ceiling.
- Aluminium facade frame system.
- Steel beams.
- Pressure-impregnated slope-forming battens on waterproofing liners.
- Waterproof plywood.
- PVC membrane, roofing material.

Balconies

Balcony floor structure

- Precast reinforced concrete panel floor on steel tie rods.

Balcony railings

- Hot-dip galvanized, factory-painted metal uprights with glass infill. Horizontal shelf height of the handrail of at least 1.1 m from the surface of the balcony structure.

Terrace railings

- Terraces on floor 9th have partly glassed-in balustrades with painted horizontal handrails.

Windows / balcony doors

Window structure on floors 1 - 9

- PVC structure, double glazing.

External doors

- Aluminium profile, double glazing.

Facade

Structured panels on floors 1 - 5

- Reckli structured concrete facade panel surface in two colours.

Plain panels on floors 1 - 9

- Concrete facade panel surface smoothly painted in two colours.

Entrance area, balcony details

- HPL or fibre cement panel.

Lifts

- Lift capacity 900kg – maximum 12 persons. Cabin dimensions: 1100 x 1950 x 2400 (height) mm.

Terraces

- Apartments on floor 1 have access to external terraces from the living room. Plank flooring with composite wood planters separating the apartments.

- Apartments on floor 9 have access to external terraces from the living room. Terrace flooring: composite wood planks. Each terrace has at least one 230V external socket outlet with IP44 protection.