Interior finishing

Energy efficiency and indoor climate of buildings

The cost of energy is a daily fixed cost that unfortunately follows us everywhere. In light of the constantly rising energy costs and network fees, the energy efficiency of buildings, which has a direct connection to and an impact on the family budget, is very important.

As regards the energy efficiency of buildings, the legislator has issued a regulation defining the minimum building requirements that modern buildings must meet. This includes requirements for low-energy buildings and nearly zero-energy buildings. In the case of an energy-efficient building, low heating costs have been achieved thanks to thermal insulated external boundaries (walls, windows, roof, etc. of the building) and a good indoor climate thanks to forced ventilation with heat recovery.

Natura Park apartment houses are B-energy class houses, which are considered low energy buildings.

House framework

- The framework of the apartment building consists of load-bearing prefabricated exterior walls 440 mm made from reinforced concrete (insulation 200 mm).
- The floors are made from prefabricated hollow panels (hollow panel, film, sound insulation 50 mm mineral wool, 7 cm levelling concrete, base carpet, parquet).
- The walls between the apartments are mostly made from reinforced concrete panels (200 mm).
- The partition walls inside the apartment are metal frame partition walls (12.5 mm gypsum board, wool 66 mm and 12.5 gypsum board.)

Roof

The roof of the apartment building is a flat roof (hollow panel, SBS vapour barrier, foam polystyrol min. 400 mm, 30 mm wool board, 2xSBS covering).

Staircases

Landings and flights are made from prefabricated reinforced concrete elements.
The surface of the flights is made from concrete and the landings are finished with clinker tiles.

Opening fillers

- The apartments are provided with plastic windows, with triple glazed units.
- The exterior doors of the apartments are fire resistant wooden doors, with oak veneer.

Technical systems

Heating

- The heat supply is designed based on gas heating. The apartments are provided with water-underfloor heating, bathrooms and toilets are provided with electric underfloor heating.
- There are no heating meters in the apartments.

Ventilation

- To ensure ventilation, each apartment is provided with individual heat recovery - an intake and extraction system. A ventilation unit is located in the hall or wash room above the washing machine.
- The kitchen is provided with an extraction pipe for installing a cooker hood.

There is no air conditioning in the apartments.

Water, sewerage

- Hot water is supplied from the central boiler house of the building.
- Each apartment has remote meters of cold and hot water.
- Washing machine connections are in the sanitary facility according to design.

Electrical installation

- Sanitary facilities are provided with suspended ceilings together with lighting fixtures.
- The rooms and hall are provided with cabling for lighting fixtures. Lighting fixtures will be installed by the owner of the apartment.
- Switches, contacts, branching boxes and installation materials are according to the design.
- The flow meters are located in every stairwell, in electrical boards or board rooms.
- Every room is provided with TV and Internet connections.
- The apartments have an outdoor telephone system and a security alarm cable.