

Estimate Wanda 1453 sqft Construction Cost Estimate

1. 1.1 Earthworks

- Measurements at foundation excavations in plain and lowland terrain
- Earthworks performed with backhoe excavators with a bucket capacity of 0.25 m³ in category III with transport of excavated material by self-dumping vehicles for a distance of up to 1 km
- Earthworks performed with backhoe excavators with a bucket capacity of 0.15 m³ in category III with transport of excavated material by self-dumping vehicles for a distance of up to 1 km
- technical expansion of excavations
- Manual profiling and compaction of the subsoil for the construction layers of the pavement according to cat. I-II

Transportation of aggregate by dump trucks from a distance of 1 km

Transportation of aggregate by dump trucks from a distance of 10 km

- Purchase of the m³ sand company
- Backfilling linear trenches with vertical walls up to 1.5 m deep and 0.8-1.5 m wide; cat. group I-II

1.2 Foundation plate

- Concrete sleepers for floors and floors - using a concrete pump
- B-10
- Thermal and sound insulation made of polystyrene boards, horizontal under the foundation slab, 10 cm thick - XPS
- Anti-moisture and anti-water insulation made of wide polyethylene foil - x2
- Concreting of the reinforced foundation slab in the small-size system formwork with the transport of concrete with the B-30 pump
- Small-size system formwork of concrete or reinforced concrete foundation slabs (measurement including side insulation)

1.3 Reinforcement of the foundation slab

- Preparation and assembly of reinforcement of building and structure elements - ribbed bars

1.4 Reinforcement of the rim of the foundation slab

- Preparation and assembly of reinforcement of building and construction elements - smooth bars, slabs - stirrups
- Preparation and assembly of reinforcement of building and structure elements - ribbed bars t crown of slabs - bars

1.5 Neutral insulations

- Thermal and sound insulation made of polystyrene boards, vertical, XPS, medium thickness 10 cm, insulation made of dimpled foil
- Making a reinforced layer on the walls
- Baunit MosaikPutz thin-layer mosaic plaster - handmade; intermediate layer on the walls
- Baunit MosaikPutz thin-layer mosaic plaster - hand-made on walls
- Insulating foundations with a VOLTEX mat - foundation slabs
- the edge of the foundation slab and vertical insulation from lean concrete to STAHLTON blocks

2 STATE CLOSED ROBOT

2.1 Walls

- Foundation made of STAHLTON ISOMURPLUS blocks
- Moisture insulation of footings made of weldable roofing felt
- Walls of single-storey buildings, up to 4.5 m high and 39 cm thick, made of concrete blocks with lime or cement-lime mortar
- As above, but foundation for the construction of external walls made of STAHLTON ISOMUR PLUS blocks

2.2 Outer wall

- Wooden construction of the dome with metal elements connecting the foundation and skylight keystone. (RMS) module thermal insulation filling: STEICO Flex wood wool 4 X 10 cm insulation
- - as above, but hemp concrete 40 cm, (hempcrete) - light building material, a mixture of cut stalks of industrial hemp, lime and water
- Formwork of arched structures
- Thermal and sound insulation made of horizontal suprema boards nailed to the grate from the bottom
- - as above, but Steico Flex boards made of wood wool, 5 cm thick, fixed to the wooden structure of external walls - inside
- Insulation made of polyethylene foil attached to a wooden structure - vapor barrier

2.3 Internal partition wall "14"

- Skeleton structures - columns of external and internal walls up to 100 mm wide
- analogy: filling the frame structure with STEICOflex wood wool pieces, 10 cm thick

2.4 Ceiling above the first floor

- Wooden ceilings - ceiling beams up to 240 mm wide
- Blank floor made of 25 mm MFP chipboards
- Thermal and noise insulation made of polystyrene boards horizontal on top of the structure dry - one layer - acoustic polystyrene 3 cm
- Thermal and noise insulation made of polystyrene boards horizontal on top of the structure dry - one layer - polystyrene 3 cm
- Anti-moisture and anti-water insulation made of wide polyethylene foil - separating foil

- Leveling layers for floors made of cement mortar, 20 mm thick, troweled smooth
- Leveling layers under cement mortar floors - an addition or deduction for a change in thickness by 10 mm
- Blank floor made of boards 15-20 cm wide - 20 mm boards
- Thermal and sound insulation made of horizontal suprema boards nailed to the grate from the bottom
- - As above, but Steico flex boards made of wood wool, 5 cm thick, attached to the wooden structure from the bottom
- Fabrication and assembly of wooden stairs according to an individual design

2.5 Joinery and metalwork

a) Window joinery

- Installation of turn and tilt-and-turn bipartite windows made of PVC with processing of filling with an area of up to 2.5 m²
- Installation of turn and tilt-and-turn windows made of PVC with processing of filling with an area of over 2.5 m²
- Factory-finished roof windows with an area of 1.25-1.5 m²
- Internal window sills made of 3 cm thick conglomerate
- External window sills made of coated sheet thickness. 0.6mm

b) Door joinery

- Exterior doors made of aluminum and glass, the so-called warm. m²
- Single-leaf panel interior door, adjustable wooden door frame
- Single-leaf bathroom panel doors, adjustable wooden door frame

c) External jambs of windows and doors

- Execution of external flashings protecting windows and external doors made of

waterproof plywood 20mm, in accordance with the executive drawings, canopies above the windows, plywood jambs

- Thermal insulation made of Steico flex board made of wood wool with a thickness of <dia.> 5cm
- Flashings made of coated sheet with a width of up to 25 cm
- Flashings made of coated sheet with a width in development of over 25

3. INTERNAL FINISHING WORKS

3.1 Substrates and floors

a) Ground floor floor on the ground

- Floors made of floor panels m2
- Multi-colored floors made of GRES stoneware tiles, dim. 30x30 cm on adhesive mortar with a layer thickness of 5 mm in rooms with an area of up to 10 m2
- Preparation of the base for floor coverings - double priming of the base for cement adhesives
- Leveling layers for floors made of cement mortar, 20 mm thick, troweled smooth
- Leveling layers under cement mortar floors - an addition or deduction for a change in thickness by 10 mm
- Anti-moisture and anti-water insulation made of wide polyethylene foil - separating foil
- Horizontal thermal and sound insulation made of expanded polystyrene boards under the foundation slab 4 cm thick - EPS 200
- Thermal and sound insulation made of polystyrene boards, horizontal under the foundation slab, 4 cm thick - EPS 200 - second layer
- Anti-moisture and waterproof insulation made of wide polyethylene foil - x2 m2

3.2 Wall and ceiling finishing works

a) Internal plastering of external walls

- Execution of clay plasters with a thickness of 2 cm

b) Internal plasters of partition walls

- Execution of clay plasters with a thickness of 2 cm

c) Ceramic linings

- Substrate preparation for wall cladding - double priming of the substrate for cement adhesives
- Wall cladding made of regular-shaped artificial stone tiles arranged in patterns on a thin-layer adhesive mortar; tiles measuring 20x30 cm

4 EXTERNAL FINISHING WORKS 4.1

Elevations

a) Plinth

- Execution of the reinforced layer on the walls m²
- Thin-layer mosaic plaster, e.g. Baunit MosaikPutz - hand-made; intermediate layer on the walls
- Thin-layer mosaic plaster, e.g. Baunit MosaikPutz - hand-made on the walls

b) External walls with shingles

- Thermal and sound insulation made of horizontal suprema boards nailed to the grate from the bottom
- - As above, but Steico Flex boards made of wood wool, 4 cm thick, fixed to the wooden structure of external walls
- Initial covering foils (FWK) placed on the boarding - wind insulation m²
- Lathing - battens spacing 25 cm²
- Cut shingles 10 cm wide - two-layer coverage, shingles 40 cm long
- as above, but Cedral tiles
- Insulation of horizontal surfaces with SWELLTITE membranes laid on ceilings, terraces, etc. fixed with glue with lubrication of the entire surface

- - as above, but a strip of EPDM roofing membrane (color compatible with Cedral tiles)
- Flashings made of coated sheet with a developed width of up to 25 cmm2 for Shingle/ EPDM connections
- Flashings made of coated sheet with a width in development of over 25

c) Roof skylight

- Aluminum roof skylight r=93 with a system base (base height min. 30 cm above the finished roof slope)

5. INSTALLATIONS

Water, sewage and heating installation

5.1 Internal water and sewage system

- Execution of the water and sewage approach, plastic and copper
- Execution of a sewage outlet
- Water risers
- Installation of concealed valves
- Installation of a linear drain
- Comprehensive hydraulic installation

5.2 Heating installation

- Ground source heat pump
- Vertical drilling
- Hydraulic assembly components

5.3 Electrical installation

- electrical installation
- internet installation
- television installation
- filling cans
- house grounding