

TECHNICAL / CONSTRUCTION CHARACTERISTICS OF THE "DOMOS DE MARE"
RESIDENTIAL COMPLEX SITE IN VIA DEL ROVO OLBIA

1. **Structure:** entirely in reinforced concrete, foundations carried out with continuous slab in reinforced concrete and plinths under the internal pillars.
2. **Supporting Structures:** made with perimeter walls in concrete blocks 30 cm thick in the basement and 25 cm on the ground floor and first, plus pillars and beams in reinforced concrete.
3. **Floors:** made with prefabricated joists and hollow bricks height 16 cm and screed for a total of 21 cm
4. **Coverage:** the roof of the first floor was made entirely of chestnut wood, with a central truss, above which rest the ridge struts of section 25x25 cm and the wooden currents of section 15x15 cm placed at an interaxis of about 80 cm. Over the currents a continuous solid wood plank was laid. A thermal insulation was carried out on the plank by installing a high-density extruded polyurethane panel of 8 cm. The whole was waterproofed with two crossed 4 mm viapol strips, the second of which was slated. Above the waterproofing, a mantle of aged tile type tiles completes the roof covering.
5. **Stairs:** made of reinforced concrete, embedded in the load-bearing walls.
6. **External infill:** with double perforated brick of 12x25x25 with interposed insulation made of high density polystyrene panel of 5 cm thickness.
7. **Partitions:** made with hollow bricks of 8 cm.
8. **Outdoor veranda:** made with semi-squared chestnut beams and beams section 12 cm.
9. **Electrical system:** performed in full compliance with the law: fully removable with wires of a section suitable for the respective users; electrical panel with circuit breaker and thermal magnetic circuit breakers for the interception of each zone. "B Ticino" equipment. The underfloor system has been made with FMP corrugated pipe of suitable sections and with N07VK non fire-propagating wires and with sections suitable for the various circuits. The switchboard is sectioned with magneto / thermal switches for each circuit. Each apartment has an intercom, a terrestrial and satellite TV system with sockets in the living room and in the bedrooms; telephone sockets in the living room and in the bedrooms. Each apartment is connected to the condominium grounding system consisting of a bare copper braid connected to the foundation plate.
10. **Waterworks:** made of multilayer pipes with adequate sections; polypropylene drains of suitable diameters; exhaust columns in silted polypropylene tube diameter 110.
Hygienic and sanitary equipment in the glass of the "Ceramica Dolomiti". Chrome-plated brass faucets, single lever type with regulator, of the best national brands. Shower cabin. Production of domestic hot water using an electric boiler. Sanitary water supply through the municipal network and each unit is equipped with an independent It 1000 tank equipped with a submerged pump.
11. Conditioning system preparation
12. Floors and Wall Tiles made with porcelain stoneware tiles of the best national ceramics
13. The thresholds, window sills and staircases were made of bush-hammered granite
14. The railings of the internal and external stairwells, the verandas and the gates were made of galvanized iron
15. The internal doors and windows are made of solid wood with a concealed opening and a brass handle. The external doors and windows are in mahogany-type wood, with a double glazing unit that is suitable for energy saving
16. External pathways made of "San Giacomo" type granite worked half-way thick, cm. 5