

ELEVETOR MAX Specification item

Creation of ventilated cavity of total height ____cm through the supply and installation of disposable formwork in regenerated polypropylene, type ELEVETOR MAX by Geoplast S. p. A.. Suitable for the rapid creation, dry, of a self-supporting formwork bottom above which a minimum class C20/25 concrete casting will be carried out, with consequent flush filling of the formwork and formation of a flat slab on the extrados of thickness ____cm, reinforced with bars for reinforced concrete or electrowelded mesh diameter ____mm step ____ x ____cm. Fiber-reinforced concrete with or without steel reinforcement is permitted. The extrados of the slab shall be levelled and pulled out or stayed.

The ELEVETOR MAX system will consist of basic grids 71 x 71cm composed by socket-shaped bases and spacers, PVC pipes of varying height and diameter 125 mm, 160mm or 200mm, formworks with low dome height 15 cm, dimensions in plan 71x71cm, equipped with 4 or more reference planes for casting and the correct positioning of the electrowelded mesh, to avoid any depressions near the support feet of the formwork.

The reciprocally connected modules will be able to receive the concrete casting and form pillars with square matrix spacing in the two directions of pitch 71 x 71cm. The resulting vacuum will be used for filling, elevation rise, passage of systems in general and/or ventilation of the cavity.

The ELEVETOR MAX type elements must meet the following requirements:

1. Compressive strength of 5.000 daN, obtained with a cylindrical pressure pad (diameter 250mm), on the Elevetor Max system 60.5cm high, including 5cm concrete and T6 @200 welded mesh as reinforcement.
2. To be produced by Company certified according to ISO 9001 standard.

The price includes:

- a) (Supply and paving of lean concrete with thickness as planned)
- b) At the discretion of the P.M., before installing the formwork system, holes and/or traces may be formed for the passage of ducts and piping of sanitary, electrical, telephone and other water-turbine plants.
- c) The flooring will be ventilated by the formation of holes with a diameter of 80/120 mm, on the perimeter masonry at a rate of approximately one every 3.50/4.00 m, complete with any PVC connection piping and the external stainless steel grilles equipped with insectproof plastic mesh. For good ventilation, the ventilation holes should preferably be located at a higher elevation south of the building (hottest side) than in the north (coldest side). If there are portions of under-floor cavity inside foundation beams, this must be connected with the external or perimeter portions.
- d) Supply and installation of the ELEVETOR MAX® system, consisting of regenerated propylene disposable formwork, PVC pipes, socket-shaped bases and spacers.
- e) Supply and installation of the partitioning reinforcement (electrowelded wire mesh) required to withstand the operating stresses and any additional reinforcement of the pillars.
- f) Filling casting of the overlying concrete hood with strength, consistency and thickness class as per the design project, with or without the use of pumps.
- g) Casting vibration.
- h) All charges, including those for provisional works, offcuts, cuts and any other charges necessary to ensure that the work is properly performed.

The perimeter formwork is excluded.