

NEW NAUTILUS Specification item

Creation of paving slab on suitable horizontal formwork/on precast concrete slabs. of total thickness ___cm, lightened with units in recycled polypropylene such as NEW NAUTILUS by Geoplast SpA (supplier), with truncated pyramidal shape with two lightening grooves per side and chamfered edges with semi-cylindrical pilasters equipped with prismatic stiffening triangular base, equipped with a single semicircular hollow at the top and 8mm thick cage spacers, plant size 52 x 52 cm, height ___cm (depending on the design), and equipped with conical feet attached to the formwork, height ___cm, The formworks must be equipped with removable spacing tabs to connect the formwork to each other.

New Nautilus elements must meet the following requirements:

1. Executive slab design accompanied by graphical drawings and calculation report drawn up or approved by the supplier of the New Nautilus lightening systems.
2. Dry walkability of at least 150 daN proven by proof of resistance according to D. M. circular 617:2009, 14/01/08 All. 7 D. M. M. 09/01/96, through the use of a prismatic punch measuring 80x80mm applied to the upper face of the formwork.
3. Certification of fire resistance by a body accredited by the European Union in compliance with UNI EN 1365-2 2002 and 1363 2012, performed on a standard test piece 27 cm thick and subjected to a last pressing moment of 37.84 kNm of at least REI 120' and RE180' with a minimum of 30 mm of iron cover.
4. Certificate of on-site measurement of acoustic insulation between rooms by air according to the technical standard UNI EN ISO 140-4 (2000) of 54dB (R' w), obtained on a floor of 42cm with a lightening of 20cm.
5. Certified Metering certificate of the insulation of floor slabs against footfall noise according to the technical standard UNI EN ISO 140-7 (2000) of 50db (n, w), obtained on a floor of 42cm with lightening of 20cm.
6. To be produced by Company certified according to ISO 9001 standard.

The price includes:

- a) Reinforcement with electro-welded steel rods or meshes for reinforced concrete type B450C in quantities, pitch and diameter appropriate to the design stresses.
- b) The characteristic resistance concrete casting (minimum C20/25), machining class and suitable aggregate diameter (recommended S4 or S5 flux) in order to obtain a perfectly smooth and professional intrados. The casting must be carried out in two phases, the first one up to fully cover the support feet and the edge of the formwork, and in any case not more than 3 cm above them, then proceeding with the second casting phase until the slab is finished. The second phase must however be carried out as soon as the setting of the first casting phase begins and concrete of a different consistency class from the first phase can also be used. The casting operations must be followed by appropriate vibrations.
- c) Charge for the formation of holes of dimensions and sections as shown in architectural drawings and all charges, including for provisional works, cutting, cuttings and any other charges necessary to provide the work in perfect working order.

The lower horizontal formwork and the corresponding supporting and safety systems are excluded.