Geoplast
Building beyond together

## NEW NAUTILUS EVO OPERATING INSTRUCTIONS



1. Safety requirements: Pallets must be handled by appropriate means. In particular, for lifting and transportation in height, refer to the safety regulations in force on site and use appropriate tools. All loading/unloading and handling operations must be carried out in accordance with your SOP. Operators must wear appropriate personal protective equipment. Store the pallets on stable and level ground to prevent overturning. The presence of stagnant water can damage the pallets with consequent risk of accidents during handling.


2. Concrete requirements: Use of concrete minimum strength class $\mathrm{C} 20 / 25$. The fluidity class and size of the aggregates must facilitate the filling of the slab below the formwork, depending on its thickness, diameter and spacing of the bars: consult the concrete supplier for the choice of the appropriate mix design. For the first layer casting, we recommend a slump class of S 5 and in any case not less than S 4 . Vibrate the pour appropriately to avoid segregation and gravel nests.

3. For the installation and spacing of void-formers, refer to the design tables.

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## INSTALLATION


(1)

Horizontal shuttering deck set-up, with edge shutters. On top of the deck, an appropriate set of spacers will be laid, and on the spacers the bottom base reinforcement will be laid out, and even eventual beam stirrups.
(2)

New Nautilus Evo layout, as indicated in the drawings given by Geoplast T.D. Adjacent void formers are connected through plastic spacers, which ensure the correct spacing.
(3)

Construction site staff can walk directly on the void formers. Additional reinforcement, and shear stirrups may be laid.
(4) Layout of the top base reinforcement, shear stirrups and punching reinforcement. If necessary, top and bottom base reinforcement may be bonded together.
(5) In order to avoid floating of the void formers, the casting process should be divided into two step: in the firs step the cast reaches 2 cm above the footing maximum. Properly vibrating, concrete flow under the void former may be checked through the central hole.

(6) As soon as the first cast begins to set, the second step of casting may begin. Vibrate properly.

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## CASTING INSTRUCTIONS

## A <br> WARNING: plastic material could be heavily affected by high temperatures that can change his mechanic characteristics. Please in the warm season or in case of hot weather provide the cast of concrete in early morning / late afternoon / night or keep the formworks wet in order to maintain low the temperature of the material. <br>  <br> YES! <br> YES!

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