PROJECT FOR BUILDING

HERCULES
SUPER HERCULES

Designed to meet various height requirements

SUPER HERCUL

Higher and higher to achieve ventilated crawl spaces

Item	Working Dimensions	Consumption of concrete for filling	Supporting surface of each element
HER 75	50x75x75h.	0,070 m^3/m^2	320 cm^2/m^2
HER 80	50x75x80h.	0,072 m^3/m^2	320 cm^2/m^2
HER 85	50x75x85h.	0,074 m^3/m^2	320 cm^2/m^2
HER 90	50x75x90h.	0,076 m^3/m^2	320 cm^2/m^2
HER 95	50x75x95h.	0,078 m^3/m^2	320 cm^2/m^2
HER 100	50x75x100h.	0,080 m^3/m^2	320 cm^2/m^2
SUPERHER 105	50x75x105h.	0,140 m^3/m^2	320 cm^2/m^2
SUPERHER 110	50x75x110h.	0,141 m^3/m^2	320 cm^2/m^2
SUPERHER 115	50x75x115h.	0,143 m^3/m^2	320 cm^2/m^2
SUPERHER 120	50x75x120h.	0,145m^3/m^2	320 cm^2/m^2
SUPERHER 125	50x75x125h.	0,146 m^3/m^2	320 cm^2/m^2
SUPERHER 130	50x75x130h.	0,148 m^3/m^2	320 cm^2/m^2

Packaging

BASE	Base for hercules cm. 50X75	90 Pz. = 33,75 m^2
BASEH	Base for super hercules cm. 50X75	90 Pz. = 33,75 m^2
GAM75-105	Leg for hercules 75 e super hercules 105	216 Pz. = 81,00 m^2
GAM80-110	Leg for hercules 80 e super hercules 110	198 Pz. = 72,37 m^2
GAM85-115	Leg for hercules 85 e super hercules 115	180 Pz. = 67,50 m^2
GAM90-120	Leg for hercules 90 e super hercules 120	162 Pz. = 60,75 m^2
GAM95-125	Leg for hercules 95 e super hercules 125	144 Pz. = 54,00 m^2
GAM100-130	Leg for hercules 100 e super hercules 130	126 Pz. = 47,25 m^2

Useful load diagram in Kg./m^2

Foundation thickness in cm. R.c.K. concrete 150	Slab thickness in cm R.c.K. concrete 250 electrostatic mesh	**HERCULES 75-80-85-90-95-100 SUPERHERCULES 105-110-115-120-125-130**					
		Ground capacity expressed in kg/cm^2					
		0,6	0,8	1,00	1,20	1,50	2,00
7 cm.	3 cm.	800	1200	1600	2000	2000	2000
10 cm.	3 cm.	900	1400	1900	2000	2000	2000
15 cm.	3 cm.	1900	2000	2000	2000	2000	2000
10 cm.	8 cm.	800	1200	1700	2100	2900	4000
15 cm.	8 cm.	1700	2500	3400	4500	5500	7000
20 cm.	8 cm.	3000	4300	5500	7000	7000	7000
FOUNDATION IN CONCRETE R.c.K. ≥ 200 - MESH Ø6 10x10							

On request we will provide a calculation report for the load commissioned; certification of the maximum capacity of the land and the construction management remain the responsibility of the Technical Works manager.

The laying system makes it possible to reduce waste to zero

HERCULES AND

«HERCULES» and «SUPERHERCULES»

HERCULES and SUPERHERCULES were devised to satisfy the most varied requirements of height, in particular where the foundation beams have thicknesses greater than 70 cm. These disposable formworks are made from recycled plastic for creating ventilated crawl spaces.
Formed of a base and a leg, they can reach the following heights:
With HERCULES, from 75 to 100 cm, with SUPERHERCULES from 105 to 130 cm with 5 cm intervals.

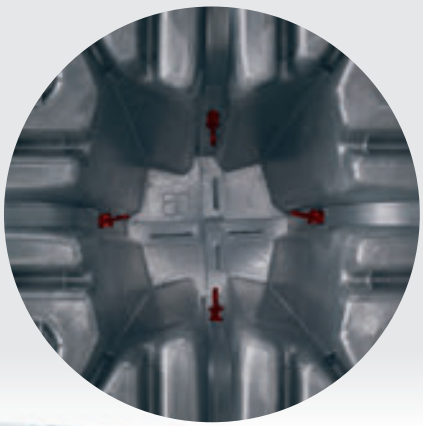
On the upper part of the LEG, as well as on the surface of the BASE, there are indicators (arrows) which, during the installation phase, should always be facing the starting angle.

The special interlocking system between the Leg and Base allows quick installation and guarantees the robustness and stability of the HERCULES and SUPERHERCULES during the casting stage.

HERCULES and SUPERHERCULES, being formworks, have been designed to withstand the weight of operators and concrete during the casting stage. The useful load varies in function of the slab thickness and the lean concrete below.

SUPERHERCULES is equipped with fastening keys that provide improved sealing of the legs during the casting of the concrete.

Fastening key
(Only for SUPERHERCULES)



DESCRIPTION OF WORKS

a1) RcK 150 concrete must be used for lean concrete casting 150 cm thick. ..... For the laying the «HERCULES - SUPER-HERCULES» formworks.

a2) For loads greater than Kg./m2 4000 and/or constructions in seismic áreas, the foundation must be in RcK 150 with electro-welded mesh Ø 6 10x10.

b) Supply and dry laying on the floor formed of plastc «HERCULES - SUPERHERCULES» formworks, H. cm. ..... . Installation should be carried out following the arrow indicators.

c) Supply and installation of reinforcement, consisting of welded mesh Ø6 20x20.

d) Supply and installation of concrete RcK 250 to fill «HERCULES - SUPERHERCULES» and formation of slab with thickness of …cm . ...

NB: When a floor is being made with finished casting, the concrete should be cast in two phases: the first for filling the legs and levelling the element and the second for making the flooring slab.

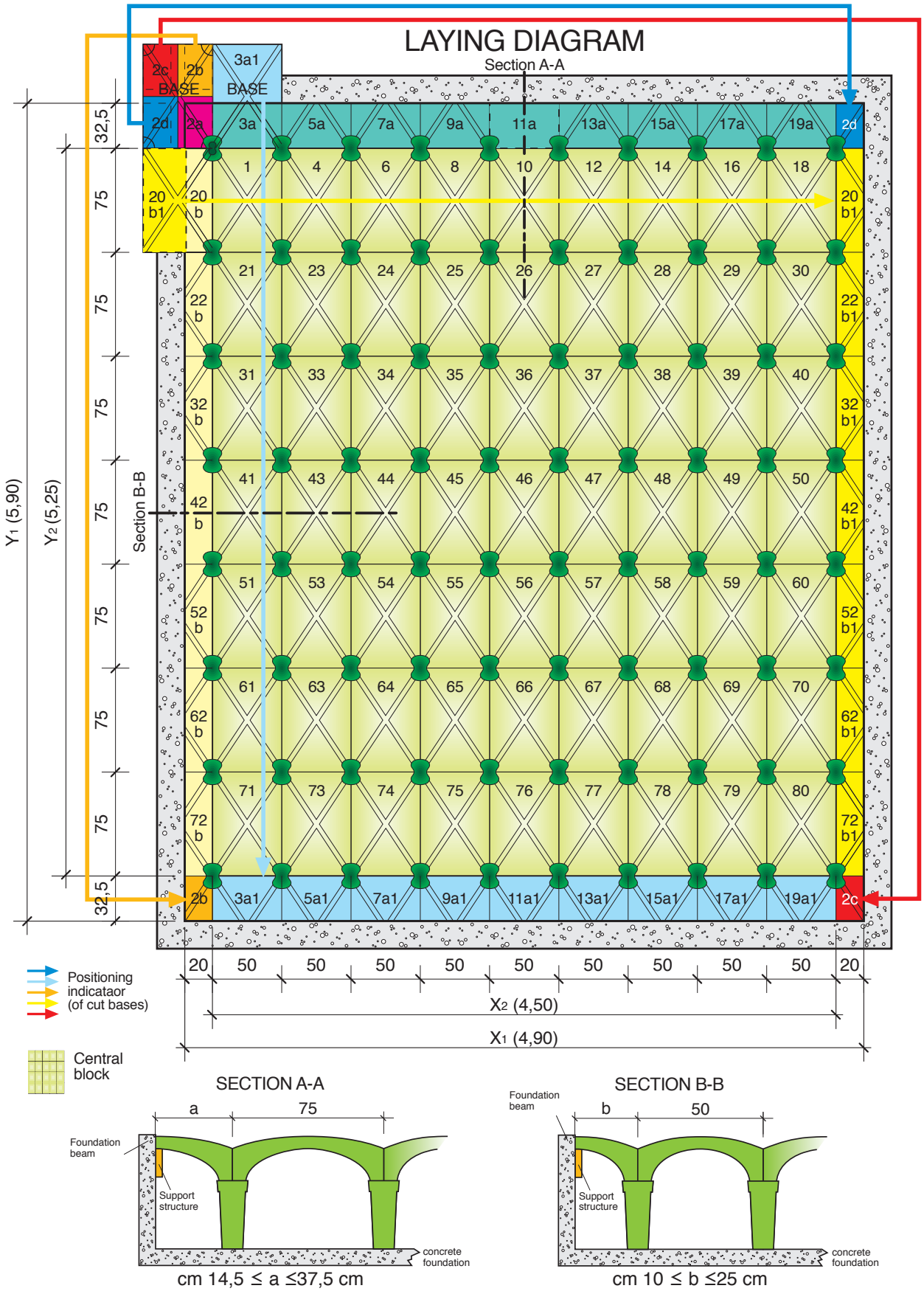
After this, the “EXPANSION JOINTS” should be made, with a centre to centre distance of about mt. 4x4.

NB: “HERCULES and SUPERHERCULES” may exhibit marked variations in colour due to the use of recycled plastics.

WITH HERCULES AND SUPERHERCULES THERE IS NO WASTE.

Indeed, all the elements that are cut are reused by placing them on opposite sides. The steps to follow are (see LAYING DIAGRAM):

1. X1 (4.90 m.) and Y1 (5.90 m.) as the size of the area to be covered;
2. X2 (4.50 mt.) and Y2 (5.25 mt.) as the dimensions of the sides of the central block ( ) resulting from the multiple of our element cm. 50x75;
3. Subtract from X1 and Y1 the dimensions X2 and Y2; X1 - X2 = 0.40 mt.; Y1 - Y2 = 0.65 mt.;
4. The results of these subtractions are to be divided by two, thus obtaining the size of the cut bases which must be positioned on the perimeter of the central block (See LAYING DIAGRAM).



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