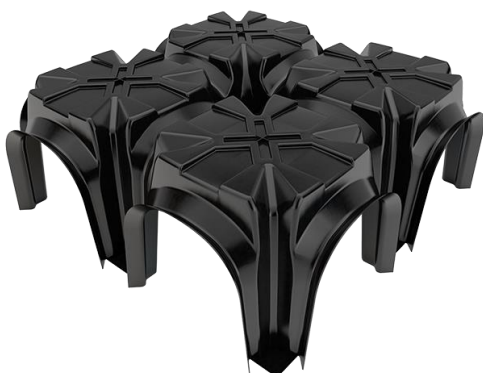


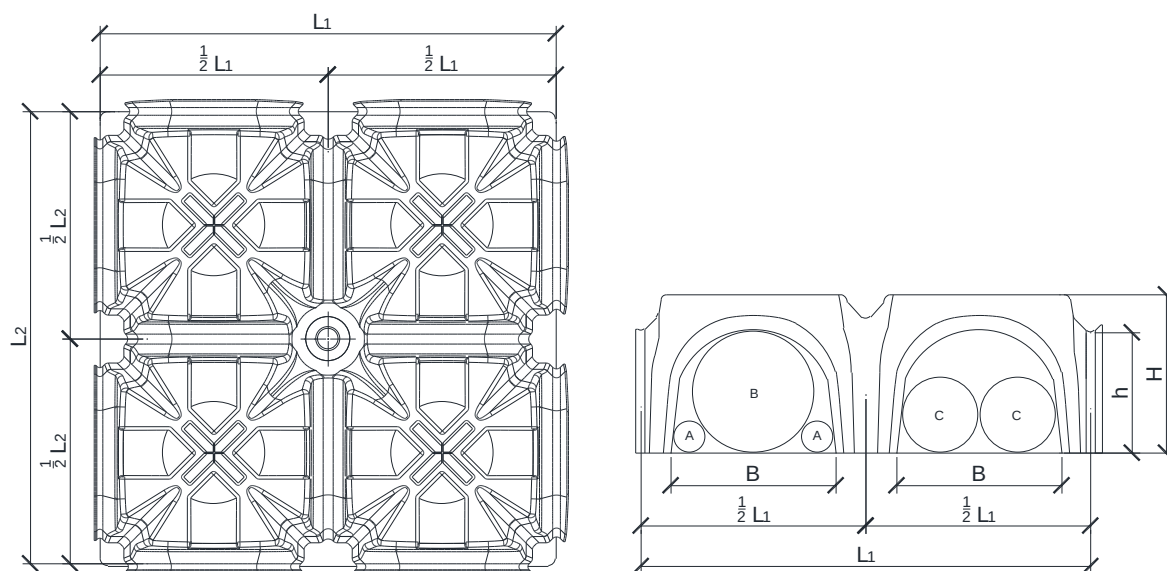
MULTIMODULO Technical sheet

1. DESCRIPTION

Modular formwork made of recycled PP for ventilated foundations for residential and industrial buildings.



2. TECHNICAL DRAWINGS



3. GENERAL INFORMATION

Material	Recycled polypropylene 100% GRAPLENE
Colour	Black
Place of production	Italy

4. TECHNICAL DATA

Product	Code	L1* (cm)	L2* (cm)	H* (cm)	h* (cm)	B* (cm)	Concrete consumption flush to the formwork** (m ³ /m ²)	Sizes allowed for MEP (mm)	Footprint area (cm ²)	Pillars per m ²	Aggregate max. size (mm)***	Installation time (m ² /hour/man)
MULTIMODULO H13	EMMODULO7113	71	71	13	7	23,5	0,020	A Ø50 B Ø70 C Ø60	82,20	8	25	100
MULTIMODULO H15	EMMODULO7115	71	71	15	9	23,5	0,027	A Ø50 B Ø80 C Ø70	109,11	8	25	100
MULTIMODULO H17	EMMODULO7117	71	71	17	11	24	0,028	A Ø60 B Ø110 C Ø90	67,93	8	25	100
MULTIMODULO H20	EMMODULO7120	71	71	20	14	21,5	0,032	A Ø40 B Ø130 C Ø100	105,37	8	25	100
MULTIMODULO H25	EMMODULO7125	71	71	25	19	26	0,033	A Ø50 B Ø190 C Ø110	49,34	8	25	100
MULTIMODULO H27	EMMODULO7127	71	71	27	21	24,5	0,035	A Ø40 B Ø200 C Ø110	68,06	8	25	100
MULTIMODULO H30	EMMODULO7130	71	71	30	24	23,5	0,042	A Ø40 B Ø200 C Ø110	75,80	8	25	100
MULTIMODULO H35	EMMODULO7135	71	71	35	29	26	0,045	A Ø40 B Ø220 C Ø110	47,71	8	25	100
MULTIMODULO H40	EMMODULO7140	71	71	40	34	26	0,050	A Ø40 B Ø230 C Ø110	49,34	8	25	100

* considering the recycled material, dimensions have to be considered with a tolerance of $\pm 1,5\%$

** The volume may change depending on the pouring conditions and the material tolerances

*** to be evaluated according to the dimensions of the reinforcement and the concrete cover foreseen by the project

5. LOADING CHART

LOAD CLASS	Distributed load (kg/m ²)	Upper slab thk. (cm)	Reinforcement (mm)*	Slab on grade thk. (cm)	Subgrade thk. (cm)	Preassure on soil (ULS) (kg/cm ²)**
Residential Cat. A	0 – 500	5	Ø6 / 20x20	5	-	0,54
Crowd places [Cat. B e C]	500 – 1.000	5	Ø6 / 20x20	5	-	0,92
Commercial [Cat. D]	1.000 – 2.500	5 - 6	Ø6 / 20x20	8	-	1,18
Industrial and storage [Cat. E]	2.500 – 5.000	8	Ø6 / 15X15	8	10	1,02
> 5.000	To be evaluated contacting Geoplast's technical dept.					

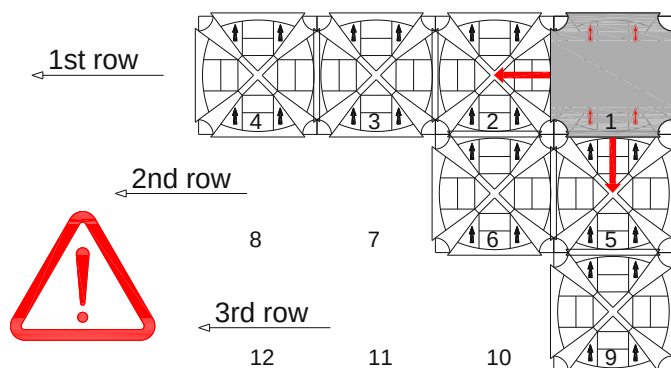
It is the designer's responsibility to evaluate that the soil is able to guarantee the pressures indicated and evaluated on Multimodulo H35. In the presence of concentrated loads or other variables, please contact Geoplast's technical office. The values shown in this table consider complete maturation of the concrete - 28 days.

* Minimum reinforcement calculated in relation to the maximum load value referred to the identified category.

**The values shown, calculated in accordance with EN 1992-1-1, are purely indicative and are strongly influenced by the mechanical characteristics of the soil. The actual sizing must be evaluated case by case by an engineer.

6. INSTALLATION

The Multimodulo installation is carried out by placing the formwork from right to left and from top to bottom, always keeping the printed arrow upwards. It is essential to check the correct fitting of the feet.



Before beginning the installation, it is recommended to consult the Geoplast's layout, in order to lay the elements properly. For correct installation, in compliance with safety regulations, please refer to the installation manual.

7. PACKAGING AND TRANSPORT

Product	Code	Size L1 (cm)	Size L2 (cm)	Size H (cm)	Pcs per pallet (pc)	Surface per pallet (m2)	Gross weight* (kg)
MULTIMODULO H13	EMMODULO7113	151	151	225	360	180	633
MULTIMODULO H15	EMMODULO7115	151	151	225	360	180	640
MULTIMODULO H17	EMMODULO7117	151	151	226	360	180	676
MULTIMODULO H20	EMMODULO7120	151	151	250	300	150	628
MULTIMODULO H25	EMMODULO7125	151	151	235	360	180	756
MULTIMODULO H27	EMMODULO7127	151	151	235	360	180	781
MULTIMODULO H30	EMMODULO7130	151	151	250	300	150	706
MULTIMODULO H35	EMMODULO7135	151	151	240	360	180	892
MULTIMODULO H40	EMMODULO7140	151	151	265	300	150	841

**considering the recycled material, weights have to be considered with a tolerance of $\pm 10\%$*

CARTONPLASTICO Technical data

1. DESCRIPTION

Accessory for closing the lateral side of Multimodulo



3. DIMENSION

MULTIMODULO'S height (cm)	13	15	17	20	25	27	30	35	40
CARTONPLASTICO'S height (cm)	14+5	16+5	18+5	21+5	26+5	27+5	30+5	35+5	41+5
CARTONPLASTICO'S lenght (cm)	100	100	100	100	100	100	100	100	100

CARTONPLASTICO thk. 4mm

GEOBLOCK MULTIMODULO Technical sheet

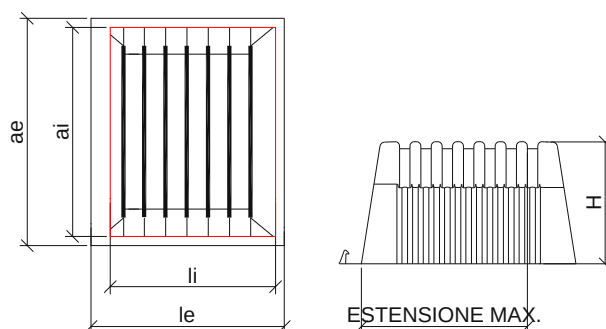
1. DESCRIPTION

Adjustable extension made of regenerated polypropylene for MULTIMODULO, which allows the side closing of the formwork allowing the pouring in one shot



2. DIMENSION

GEOBLOCK	Height	Width (ae)	Lenght (le)	Net width (ai)	Net lenght (li)	Span	Max. extension
	cm	cm	cm	cm	cm	cm	cm
H13	8,0	31,0	30,5	25,0	27,5	3,5	23
H15	9,5	29,5	31,0	23,0	28,0	3,5	23
H17	12,0	32,0	31,5	26,0	28,5	3,5	23
H20	14,5	30,0	32,0	23,5	29,0	3,5	23,5
H25	20,0	34,0	33,0	28,0	30,0	3,5	24
H27	22,0	32,0	33,0	26,0	30,0	3,5	24,5
H30	24,5	32,0	34,0	25,5	31,0	3,5	25
H35	29,5	34,0	35,0	28,0	31,5	3,5	25
H40	34,5	34,0	36,0	28,0	33,0	3,5	26



3. INSTALLATION

- 3.1 Used for lateral closings, Geoblock is positioned by coupling it with Multimodulo, facing the foundation beam to fill the distance and avoid cutting the formwork.
- 3.2 With the use of Geoblock, a single pouring is made obtaining a monolithic foundation.
- 3.3 Geoblock can also be drilled for crawl space ventilation piping.

