

Geoplast General catalogue



Mirco Pegoraro, CEO Geoplast

SUSTAINABLE PROFITABILITY

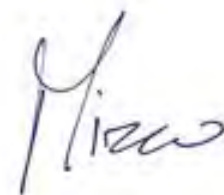
The construction industry today has the opportunity to achieve immediate financial returns at an early stage. Appropriate design and construction decisions can ensure both a sustainable and profitable outcome.

Thanks to our solutions, investors, developers, designers and builders no longer have to wait for long periods before seeing a tangible return on their projects.

Our products, which can be easily integrated into any design, can significantly reduce construction time and the volume of materials on the construction site leading to cost savings from the earliest stages of the project.

Furthermore, all Geoplast products are made from regenerated plastic waste and enhance the performance of the building structure while reducing the consumption of traditional materials: projects that incorporate Geoplast solutions are thus in line with the concept of Environmental Sustainability.

Researching and adopting sustainable design and construction solutions is one of the greatest opportunities of our generation, not only in terms of social and ecosystem protection but also for the development and progress of our industry.

A handwritten signature in black ink, appearing to read 'Y. Miao', is positioned in the lower right quadrant of the page.

BACKGROUND

Since its foundation in the early 1970s, Geoplast has been designing and manufacturing innovative products in recycled plastic.

We create sustainable solutions with high added value which offer excellent performance and ensure a useful life cycle in line with the highest standards of the construction industry.

Year after year we have improved our skills in the strategic sectors in which we operate

such as construction, rainwater management, urban greening and landscape, and we have always proved to be a reliable and efficient partner.

Geoplast products are present worldwide thanks to an extensive network of distributors which also includes two branches in South Africa and in the USA.



PRODUCTION

3

PRODUCTION FACILITIES
ON A TOTAL AREA
OF 40.000 M²



2

PLASTIC WASTE
REGENERATION LINES



26

HIGH TONNAGE
INJECTION MOULDING



over 25.000

TONS PER YEAR OF
PROCESSED MATERIAL



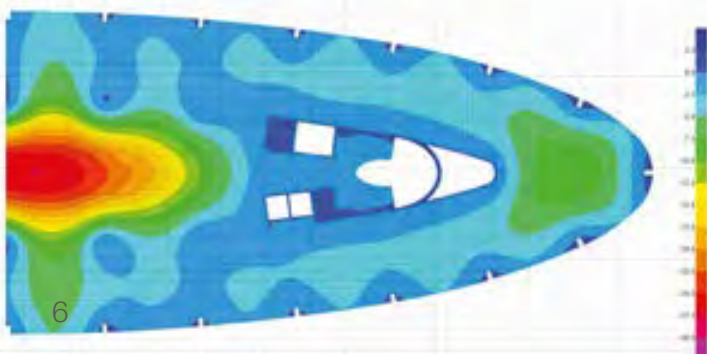
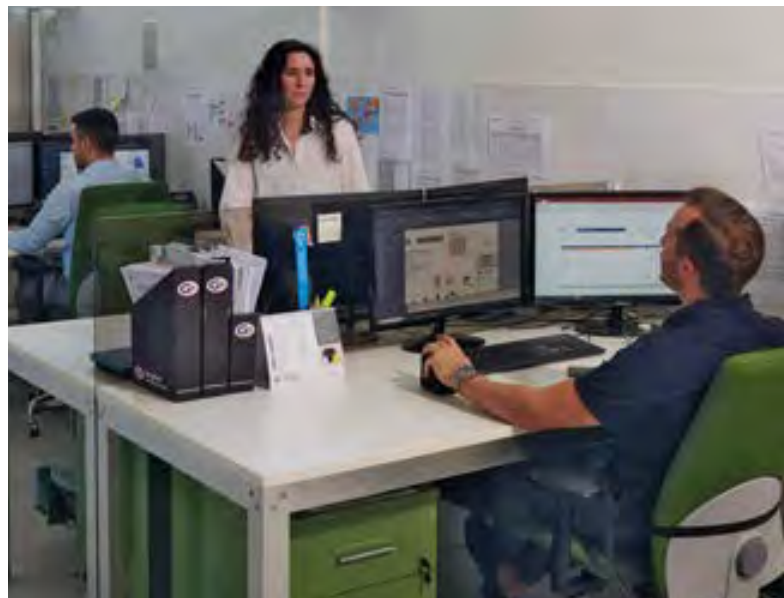
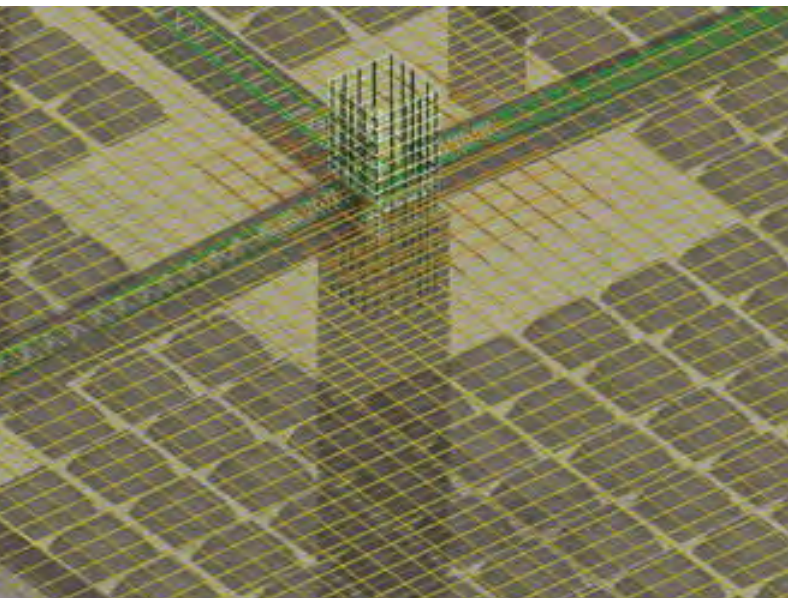
SERVICES & CONSULTING

A team of engineers and architects is ready to provide consulting to clients, designers and contractors.


Geoplast provides services ranging from technical feasibility analysis, preliminary and final design to on-site assistance.

We share and distribute our knowledge to our partners around the world using computing tools, webinars and digital publications.

- ✓ **FEASIBILITY ANALYSIS**
- ✓ **PRELIMINARY DESIGN**
- ✓ **EXECUTIVE DESIGN**
- ✓ **ON-SITE ASSISTANCE**



ASSISTANCE WITH DESIGN



A MULTI-DISCIPLINARY PARTNER IN THE CONSTRUCTION INDUSTRY



PRODUCTS OF CERTIFIED QUALITY





INNOVATION

The search for intelligent, sustainable and cost-effective solutions has always been our goal. Up to today, our research and development team has registered over 40 patents and 50 trademarks worldwide.

Our philosophy is that there are always smart, sustainable and cost-effective solutions just around the corner which should be discovered.

+40

PATENTS

+50

TRADEMARKS



SUSTAINABILITY

We are convinced that Environment and Industry can coexist and support each other: this has been our main motivation since the company was founded.

All our products are made of recycled plastic from post-consumer and industrial waste. What elsewhere would be considered waste material is transformed into a valuable resource and new smart applications.



THE INTERNATIONAL EPD® SYSTEM

GEOPLAST SOLUTIONS

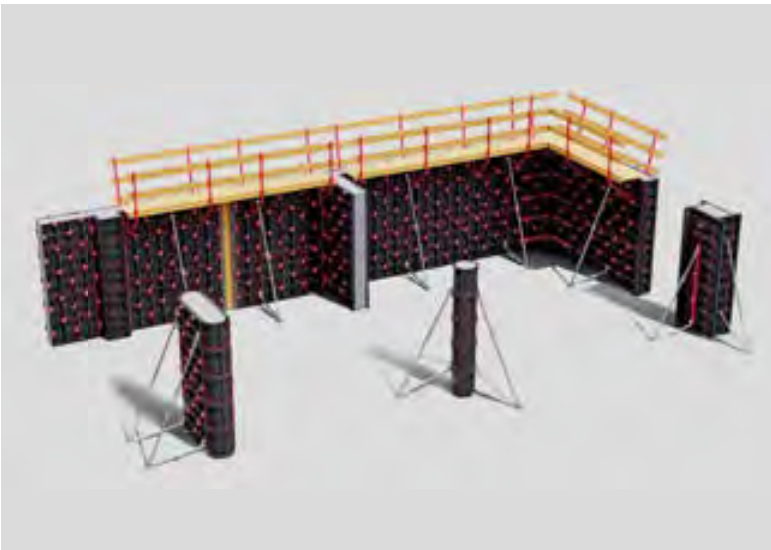


Structural filling systems for projects of any size which ensure maximum versatility of use in multiple applications, including foundations, access ramps and steps.

1

FOUNDATIONS

page 10



Modular formwork elements, used to obtain countless combinations for any type of structure.

Reusable multiple times, Geoplast formwork replaces wood and steel, reducing significantly further construction works thanks to its easy use and low weight.

2

FORMWORKS

page 32



Geoplast void-former solutions reduce the weight of roof slabs, improving the seismic response of buildings and reducing the consumption of concrete and steel.

Ease of use reduces installation time for both one-way and two-ways slabs.

3

SLABS

page 48



Systems to create storage and drainage tanks suitable for any type of soil and able to withstand vehicular traffic up to very high load classes.

WATER

4

page 64



High-strength solutions to create parking and transit areas for passenger and heavy-duty vehicles, systems for vertical greenery and for the protection of trees root systems in urban contexts.

GREEN

5

page 82



Multi-purpose sport surfaces, quick to install and to move to other locations in case of temporary events.

Synthetic surfaces for winter sports even without snow.

SPORT

6

page 116



MODULO H3 - H70

Sacrificial formwork for lightweight void fills and crawl spaces.



MULTIMODULO H13 - H40

Sacrificial formwork for lightweight void fills and crawl spaces.



ELEVETOR

Sacrificial formwork for lightweight void fills and landscaping projects up to 3 m high.



SKYNET

Formwork for lightweight void fill in compliance with building codes.



GEOPOD

Modular permanent formwork for raft slabs in compliance with AS 2870-2011.



MATRIX

Formwork for concrete floating floors with MEP installations.



BIOMODULO

Sacrificial formwork for air diffusion in composting plants and biofilters.



DEFENDER

Modular panel for the protection of basement walls.



FOUNDATIONS

All our solutions, including those for foundations, have been designed to achieve 3 goals: sustainability and respect for the environment, living comfort for people to whom our products are addressed and profitability for those who operate in the sector.

Thanks to our technology, we are able to

transform plastic waste into construction systems with a low environmental impact, which significantly reduce the use of expensive and polluting materials, such as steel and concrete. This limits handling and transportation to the construction site and reduces building time significantly.



MODULO H3 - H70

PERMANENT FORMWORK FOR FILLINGS AND VENTILATED CRAWL SPACES

ACCESSORIES

- 
H13-70 GEOBLOCK
- 
H13-40 FERMAGETTO
- 
H45-70 FERMAGETTO BOARD
- 
H50-70 FAST LEG
- 
H 65-70 RING

strip footing and ground slab in a single pour

material savings

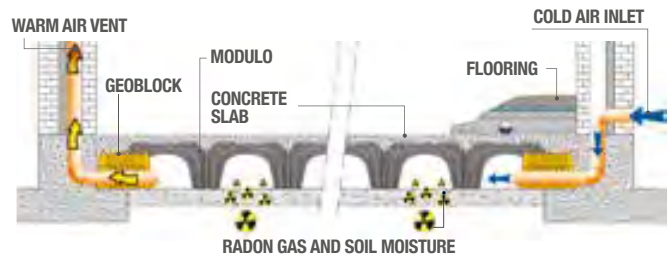
vapour mitigation and protection from rising damp



- ✓ HEIGHT COMPENSATION
- ✓ RISING DAMP PROTECTION
- ✓ LIGHTENED STRUCTURAL FILLINGS
- ✓ RADON GAS MITIGATION
- ✓ COLD STORAGE UNITS
- ✓ URBAN TREE MANAGEMENT



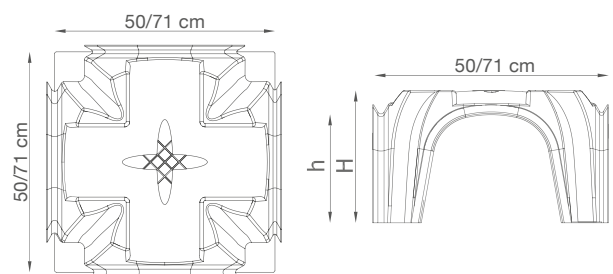
**PERMANENT FORMWORK
FOR STRUCTURAL FILLINGS
AND VENTILATED CRAWL SPACES.
IT ENSURES CONCRETE SAVINGS
AND IT REDUCES INSTALLATION TIMES.**



MODULO H3 - H70

Material	Graplene (Recycled Polypropylene Compound)				
	Dimensions (cm)	Concrete consumption (m ³ /m ²)	Packaging dimensions (cm)	Packaging (m ²)	No. pieces
MODULO H3	50 x 50	0.004	120 x 102 H220	180	720
MODULO H6	50 x 50	0.009	120 x 102 H220	180	720
MODULO H9	58 x 58	0.010	120 x 120 H240	240	720
MODULO H13	50 x 50	0.028	102 x 102 H235	90	360
MODULO H15	50 x 50	0.030	102 x 102 H240	90	360
MODULO H17	50 x 50	0.035	102 x 102 H235	90	360
MODULO H20	50 x 50	0.037	102 x 102 H240	90	360
MODULO H25	50 x 50	0.038	102 x 102 H235	90	360
MODULO H27	50 x 50	0.040	102 x 102 H235	75	300
MODULO H30	50 x 50	0.044	102 x 102 H240	75	300
MODULO H35	50 x 50	0.052	107 x 107 H230	75	300
MODULO H40	50 x 50	0.056	107 x 107 H230	75	300
MODULO H45	71 x 71	0.064	151 x 151 H230	150	300
MODULO H50*	71 x 71	0.076	151 x 151 H230	150	300
MODULO H55*	71 x 71	0.078	151 x 151 H225	120	240
MODULO H60*	71 x 71	0.079	153 x 153 H230	120	240
MODULO H65*	71 x 71	0.084	153 x 153 H230	120	240
MODULO H70*	71 x 71	0.083	153 x 153 H240	120	240

* Fast Leg



**TECHNICAL SPACE
FOR SYSTEMS
AND VENTILATION**



**QUICK AND EASY
INSTALLATION**



**HIGH
PRODUCTIVITY
ON SITE**

MULTIMODULO H13 - H40

PERMANENT FORMWORK FOR FILLINGS AND VENTILATED CRAWL SPACES

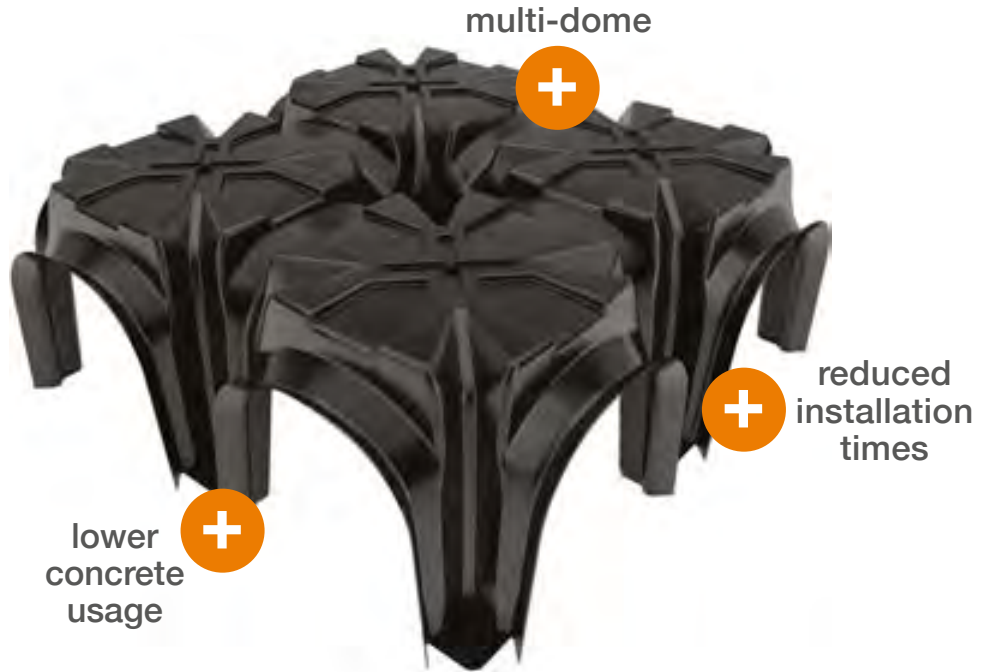
ACCESSORIES



GEOBLOCK



FERMAGETTO BOARD



✓ COLD STORAGE UNITS

✓ VAPOUR MITIGATION

✓ VENTILATED CRAWL SPACES

✓ HEIGHT COMPENSATION

✓ ENGINEERED FILLING MATERIAL



**PERMANENT FORMWORK
FOR STRUCTURAL FILLINGS
AND VENTILATED CRAWL SPACES.
IT ENSURES LOWER CONCRETE USAGE
AND IT REDUCES INSTALLATION TIMES.**



MULTIMODULO H13 - H40

Material	Graplene (Recycled Polypropylene Compound)				
	Dimensions (cm)	Consumption of concrete (m ³ /m ²)	Dimensions packaging (cm)	Packaging (m ²)	No. pieces
MULTIMODULO H13	71 x 71	0.020	151 x 151 H225	180	360
MULTIMODULO H15	71 x 71	0.027	151 x 151 H225	180	360
MULTIMODULO H17	71 x 71	0.028	151 x 151 H226	180	360
MULTIMODULO H20	71 x 71	0.032	151 x 151 H250	150	300
MULTIMODULO H25	71 x 71	0.033	151 x 151 H235	180	360
MULTIMODULO H27	71 x 71	0.035	151 x 151 H235	180	360
MULTIMODULO H30	71 x 71	0.042	151 x 151 H250	150	300
MULTIMODULO H35	71 x 71	0.045	151 x 151 H240	180 <td 360	
MULTIMODULO H40	71 x 71	0.050	151 x 151 H265	150	300



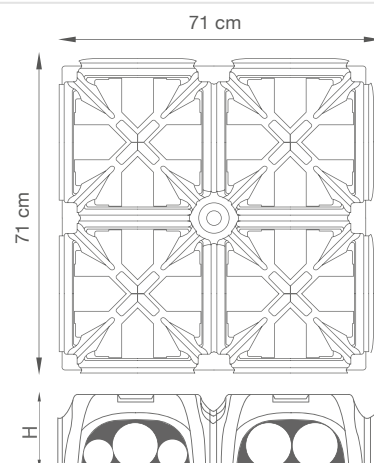
**TECHNICAL SPACE
FOR SYSTEMS
AND VENTILATION**



**QUICK
AND EASY
INSTALLATION**



**HIGH
PRODUCTIVITY
ON SITE**

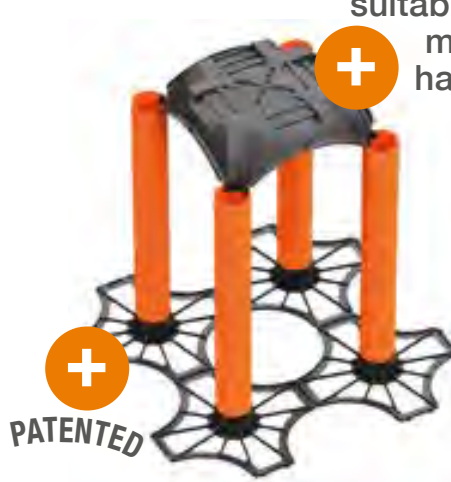
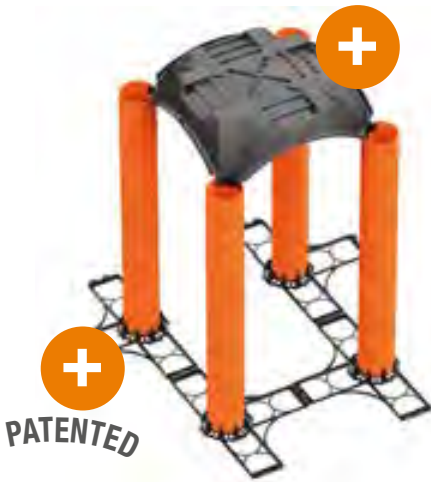


ELEVETOR SYSTEM UP TO 3M HIGH

MODULAR FORMWORKS FOR STRUCTURAL FILLINGS AND HEIGHT COMPENSATIONS

material savings

lightweight and suitable for easy manual handling



ELEVETOR TRIO

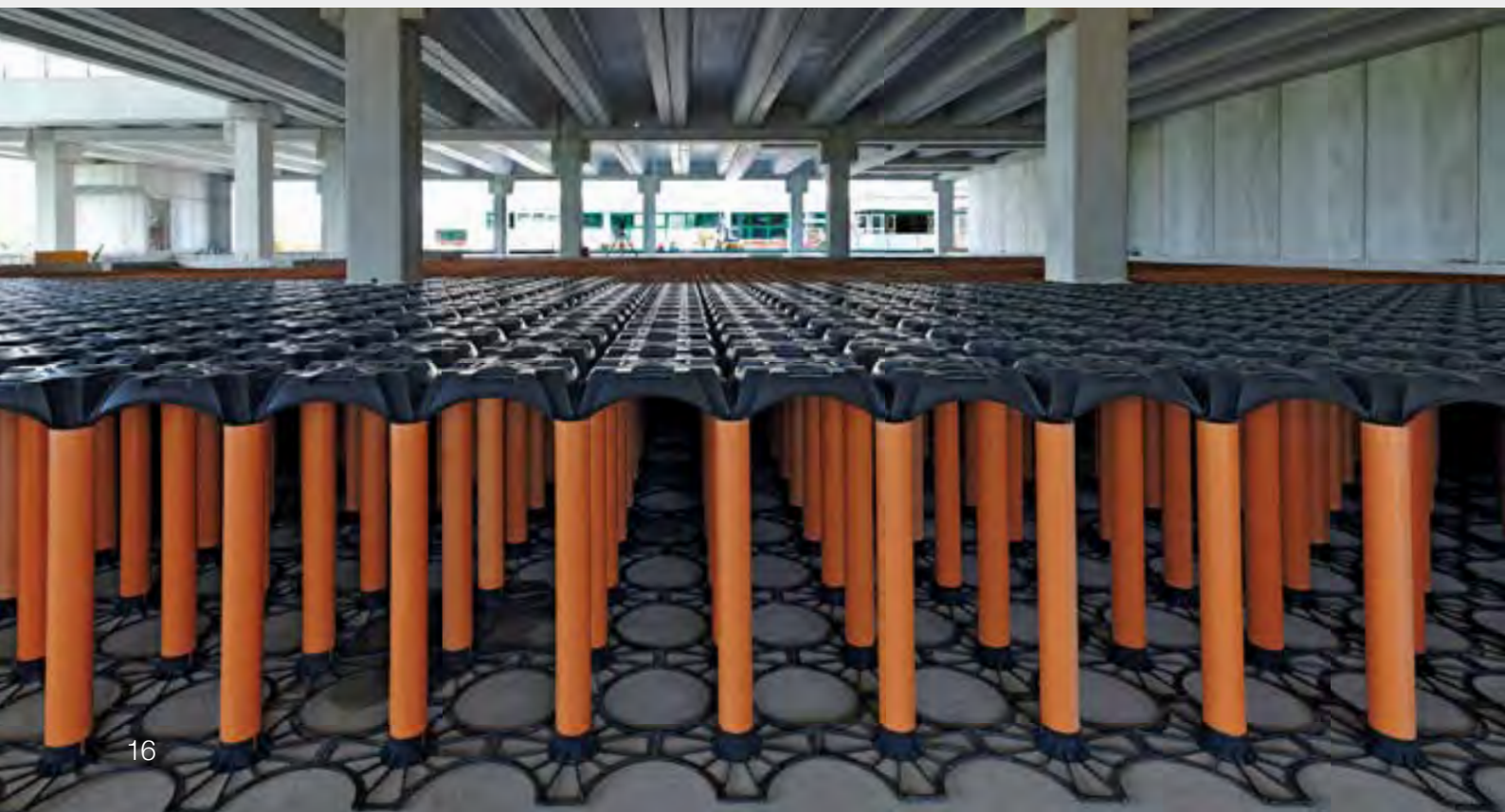
ELEVETOR CUATRO

ELEVETOR MAX

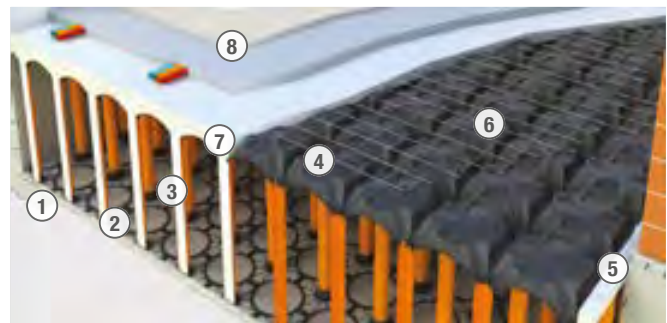
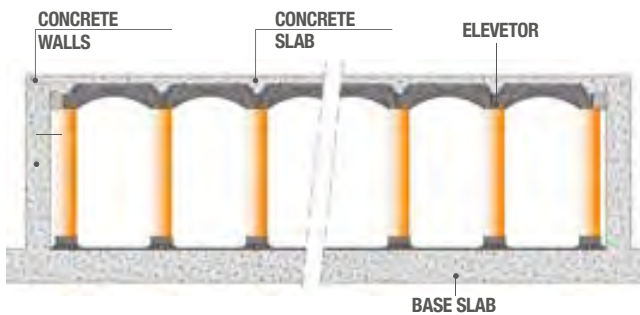
- ✓ FILLINGS
- ✓ HEIGHT COMPENSATION

- ✓ CONCRETE TANKS
- ✓ URBAN TREE MANAGEMENT

- ✓ STEPS AND RAMPS
- ✓ VENTILATED CRAWL SPACES



**MODULAR FORMWORKS
FOR STRUCTURAL FILLINGS
AND HEIGHT COMPENSATION.
IT SERVES AS AN ALTERNATIVE
TO TRADITIONAL
FILLING MATERIALS.**



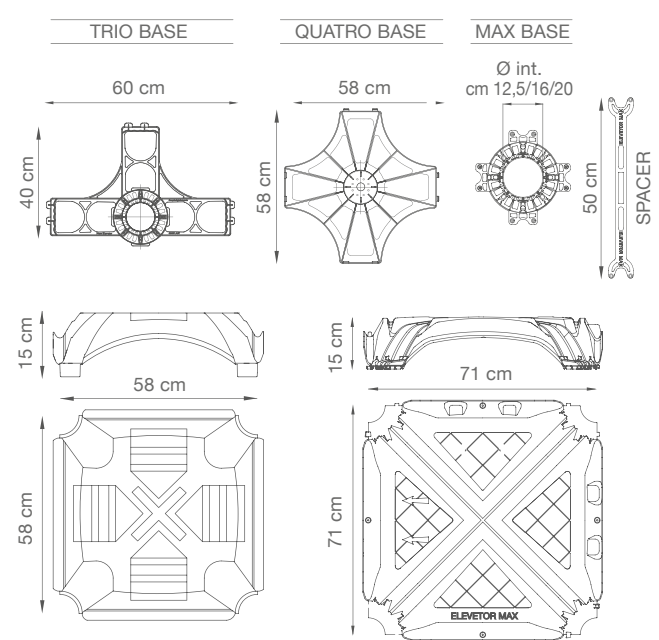
- ① LEAN CONCRETE
- ② ELEVATOR GRID
- ③ ELEVATOR PIPE
- ④ ELEVATOR FORMWORKS
- ⑤ EPS STRIP
- ⑥ WELDED MESH
- ⑦ CONCRETE SLAB
- ⑧ FLOORING

CONCRETE CONSUMPTION FLUSH WITH FORMORK (m³/m²)
 $[A \times (\text{Height Elevator system (m)} - 0,15)] + C \text{ m}^3/\text{m}^2$

Product	Centre distance	Ø Pipe mm	A	C m ³ /m ²
Elevator	58 x 58	125	0,037	0,030
Elevator Max	71 x 71	125	0,025	0,036
Elevator Max	71 x 71	160	0,040	0,036
Elevator Max	71 x 71	200	0,063	0,036

TECHNICAL DATA

	FORMWORK ELEVATOR	FORMWORK ELEVATOR MAX
Dimensions (cm)	58 x 58 x H15	71 x 71 x H15
Material	Graplene (Recycled Polypropylene Compound)	
Packaging dim. (cm)	120 x 120 x H265	150 x 150 x H255
Piece weight (kg)	1,43	3,0
No. of pieces per pallet	225	560




**HIGH LOADING
CAPACITY**


**SAVING OF
FILLING MATERIAL**


**HIGH PRODUCTIVITY
ON SITE**



SKYNET

FORMWORK FOR VOID FILLS IN COMPLIANCE WITH BUILDING CODES

NEW

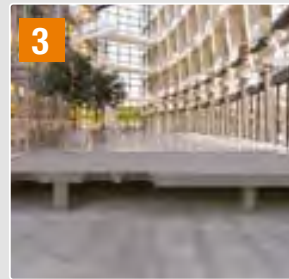


- ✓ FOOTINGS VOID FILL
- ✓ STRUCTURAL VOID FILL
- ✓ PLAZA / AMENITY DECKS
- ✓ SUSPENDED SLABS OVER CLAY SOIL
- ✓ CRAWL SPACES AND MEP ROUTING
- ✓ RAMPS AND STEPS



SKYNET IS A SACRIFICIAL FORMWORK FOR RAISED WAFFLE SLABS OVER GROUND OR FOUNDATIONS. SUITABLE FOR EXPANDING CLAY SOILS. THE RIBBED SLAB RESTS ON CONCRETE PILLARS AND COMPLIES WITH EUROCODE AND ACI 318 STANDARDS.

EUROCODE AND ACI 318 COMPLIANCE



Skynet TX incorporates capability to pour RC columns of Ø25 or Ø30 cm.



BUILDING CODE COMPLIANCE



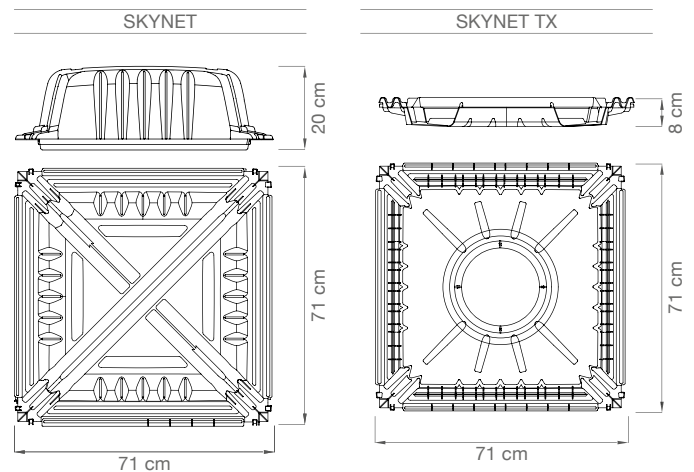
ANTISMIC CRAWL SPACE



EASY INSTALLATION

TECHNICAL DATA

	SKYNET	SKYNET TX
Dimensions (cm)	71 x 71 x H20	71 x 71 x H8
Material	Graplene (Recycled Polypropylene Compound)	
Packaging Dim. (cm)	150 x 150 x H255	150 x 150 x H255
Piece weight (kg)	2,9	2,1
N° pieces per pallet	540	560



GEOPOD

MODULAR PERMANENT FORMWORK FOR RAFT SLABS IN COMPLIANCE WITH AS 2870-2011

NEW

GEOPOD MIDI



545 x 545 x 225 mm

GEOPOD MINI



545 x 275 x 225 mm

SPACER

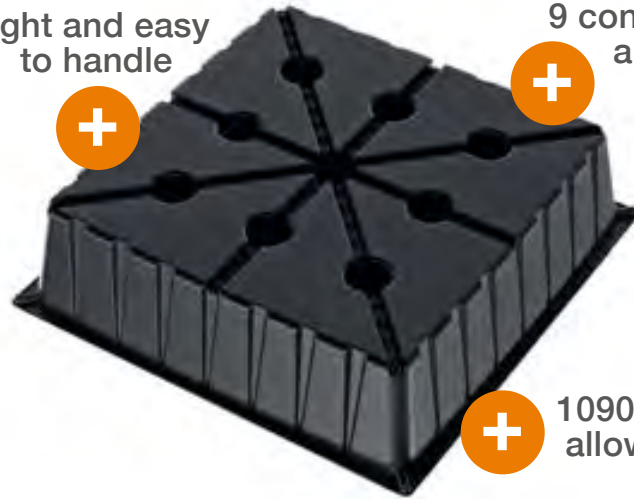


110 x 110 mm

light and easy to handle



9 cones for strength and stability



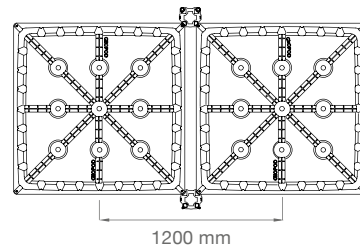
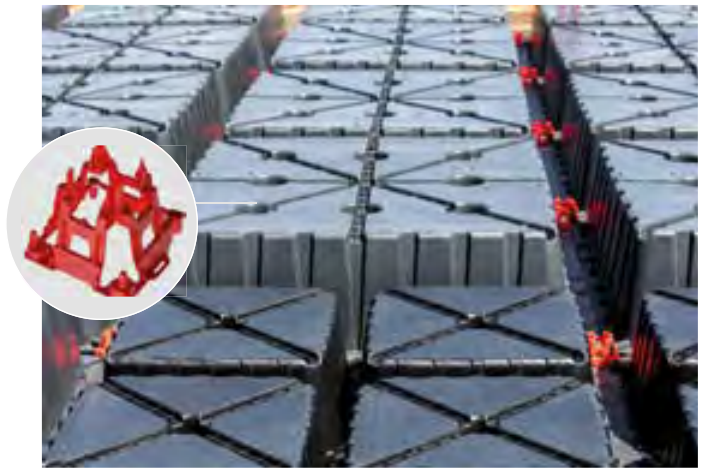
1090 x 1090 max size allowed by A.S 2870

✓ RAFT SLABS COMPLIANT WITH AUSTRALIAN STANDARDS

✓ FOUNDATIONS ON EXPANSIVE CLAY SOILS



GEOPOD IS SPECIFICALLY DESIGNED FOR EXPANSIVE CLAY SOILS AND IS FULLY COMPLIANT WITH AUSTRALIAN STANDARDS 2870-2011 RESIDENTIAL SLABS & FOOTINGS STANDARD.



RIBS CENTRES AT 1200 MM



REDUCE CONCRETE USAGE



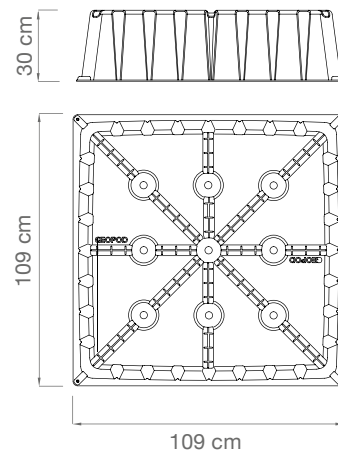
QUICK AND EASY INSTALLATION



SIMPLIFIED LOGISTICS

TECHNICAL DATA

Dimensions (cm)	109 x 109 x H30
Material	Graplene (Recycled Polypropylene Compound)
Packaging dim. (cm)	110 x 110 x H255
Piece weight (kg)	7.5
No. of pieces per pallet	105



MATRIX

CONCRETE RAISED FLOORS



REGENERATED PLASTIC MATERIAL

accessible formwork

load-bearing capacity in class 6



max clearance for MEP systems

- ✓ WHITE ROOMS, CONTROL ROOM
- ✓ OFFICE BUILDINGS
- ✓ AIRPORT TERMINALS

- ✓ RAILWAY STATIONS
- ✓ SHOPPING CENTRES
- ✓ HOSPITALS

- ✓ CRUISE SHIP TERMINALS
- ✓ DATA CENTERS



**THE MATRIX PERMANENT FORMWORK
 CREATES HIGH LOAD-BEARING CONCRETE
 RAISED FLOORS WHICH CAN HOUSE
 CHANNELS FOR MECHANICAL,
 ELECTRIC AND PLUMBING (MEP)
 SYSTEMS AND OTHER UTILITIES.**

MONOLITHIC CONCRETE RAISED FLOOR



Matrix allows the creation of access points for inspecting MEP systems under the concrete floating floor.



**RELIABLE
 INSTALLATION TIME**



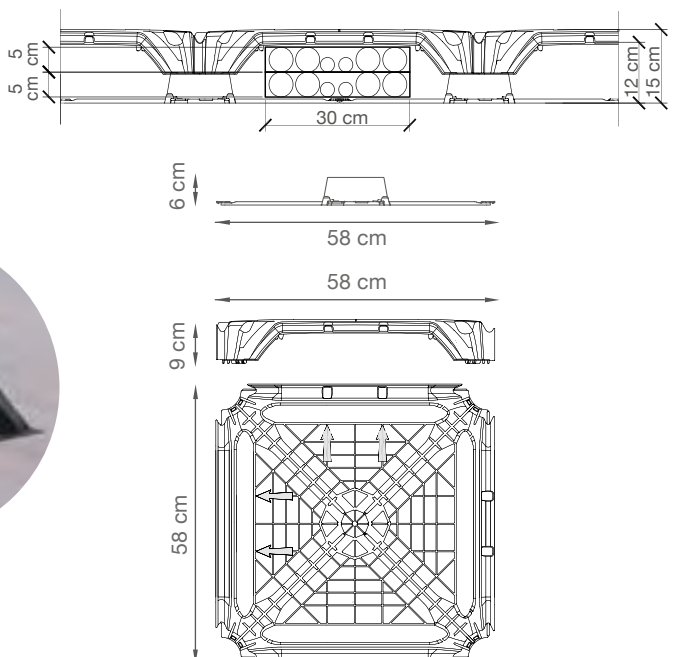
**VERSATILE
 AND CUSTOMISABLE**



MEP ROUTING

TECHNICAL DATA

Dimensions (cm)	58 x 58 x H9
Material	Graplene (Recycled Polypropylene Compound)
Packaging dim. (cm)	122 x 122 x H253
Piece weight (kg)	1.62
No. of pieces per pallet	312



BIOMODULO

PERMANENT FORMWORK FOR THE CONSTRUCTION OF LOAD-BEARING PERFORATED RAISED SLABS

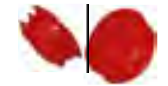
ACCESSORIES



GEOBLOCK



FERMAGETTO




CLOSING CAP




CHANNEL LID



 2 models with nozzles for slab thickness of 6 cm and 10 cm

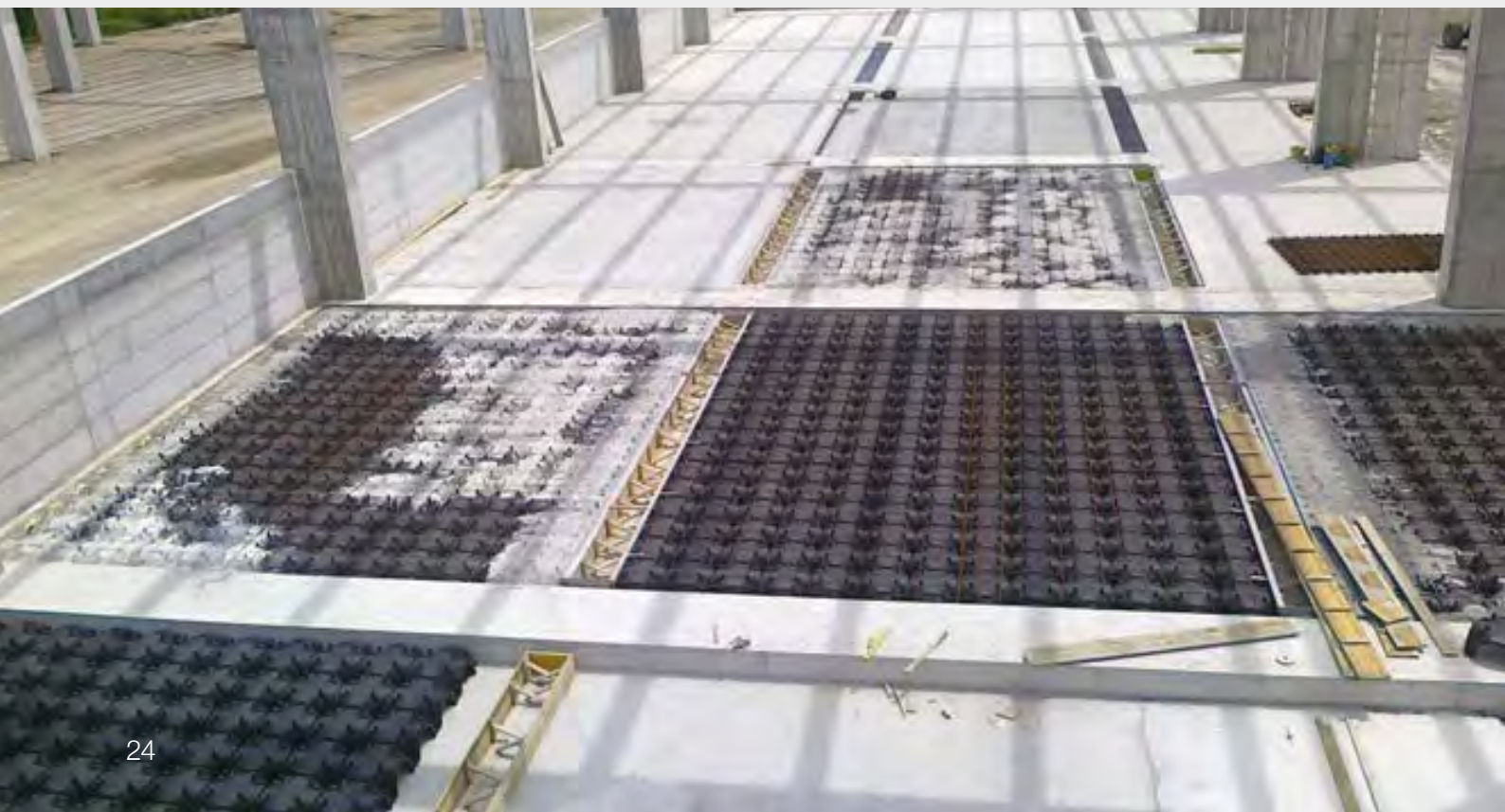
 nozzles for air circulation

 high load bearing capacity concrete slab

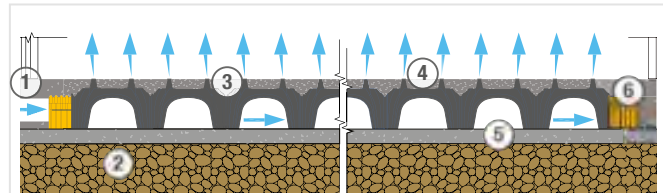
 **BIOFILTRATION**

 **BIOSTABILISATION**

 **COMPOSTING**



**PERMANENT FORMWORK
FOR THE CREATION
OF PERFORATED RAISED SLABS
FOR BIOFILTERS AND
COMPOSTING PLANTS.**



- ① AIR INLET PIPE
- ② GRAVEL
- ③ BIOMODULO
- ④ RAISED SLAB
- ⑤ LEAN CONCRETE
- ⑥ GEOBLOCK



**HOMOGENEOUS
VENTILATION**



**QUICK AND EASY
INSTALLATION**

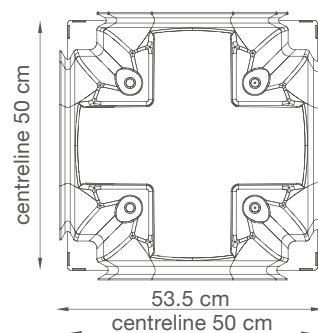
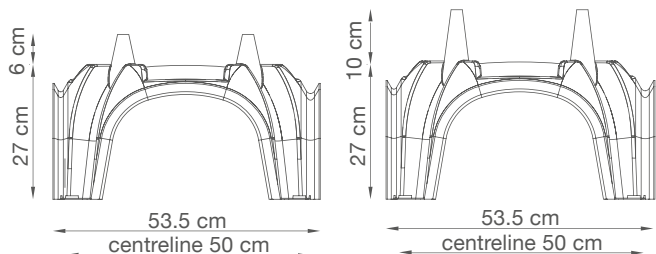


**HIGH
RESISTANCE**



TECHNICAL DATA

	BIOMODULO H6	BIOMODULO H10
Dimensions (cm)	50 x 50 x H27	50 x 50 x H27
Material	Graplene (Recycled Polypropylene Compound)	
Packaging dim. (cm)	103 x 103 x H245	103 x 103 x H255
Piece weight (kg)	1.28	1.31
No. of pieces per pallet	300	300
Concrete consumption flush with the nozzles (m ³ /m ²)	0.10	0.14



DEFENDER

MODULAR PANEL FOR THE PROTECTION OF WALLS

trimmed and
shaped according
to need



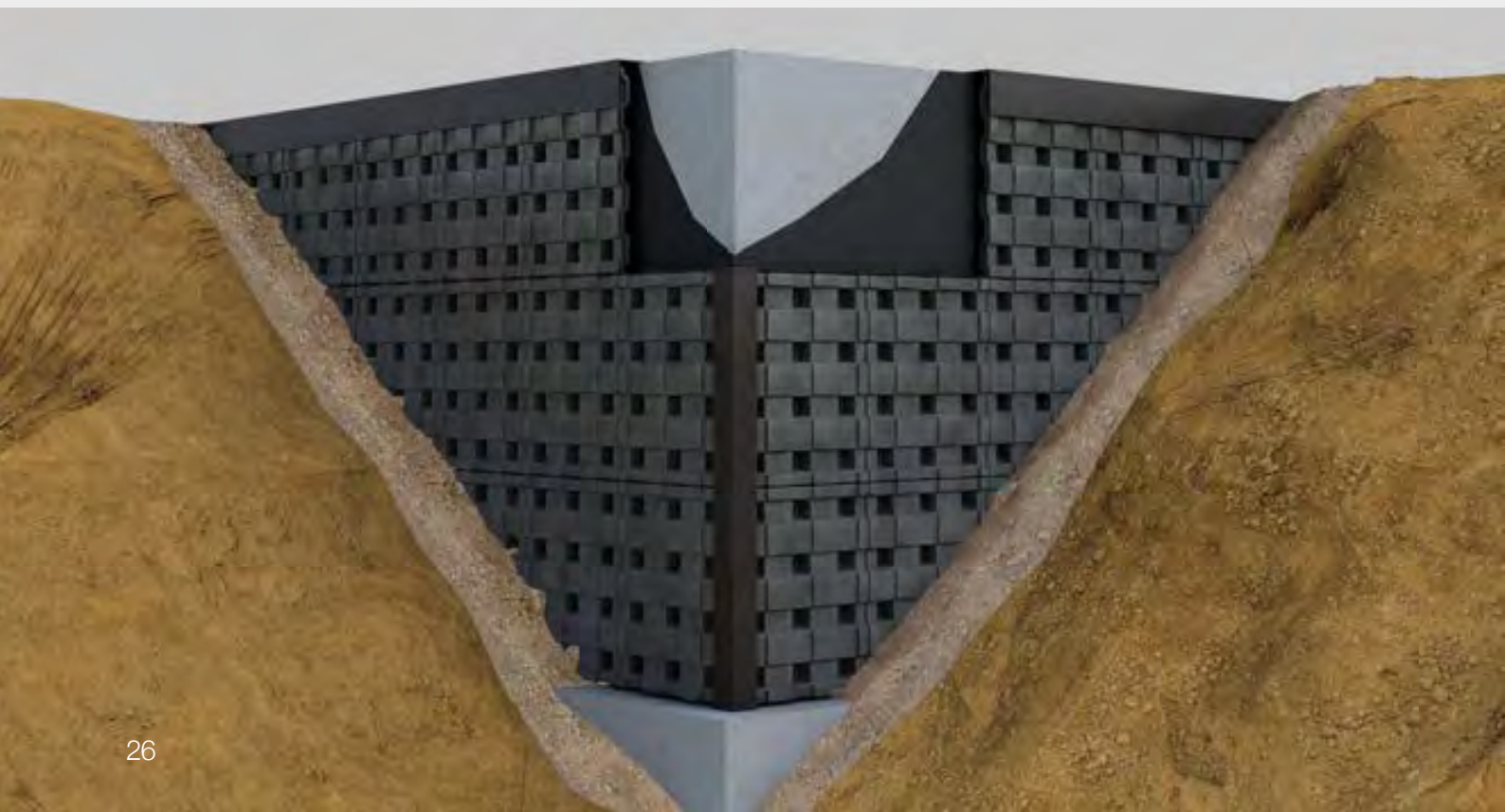
installation speed
20 m²/man/h



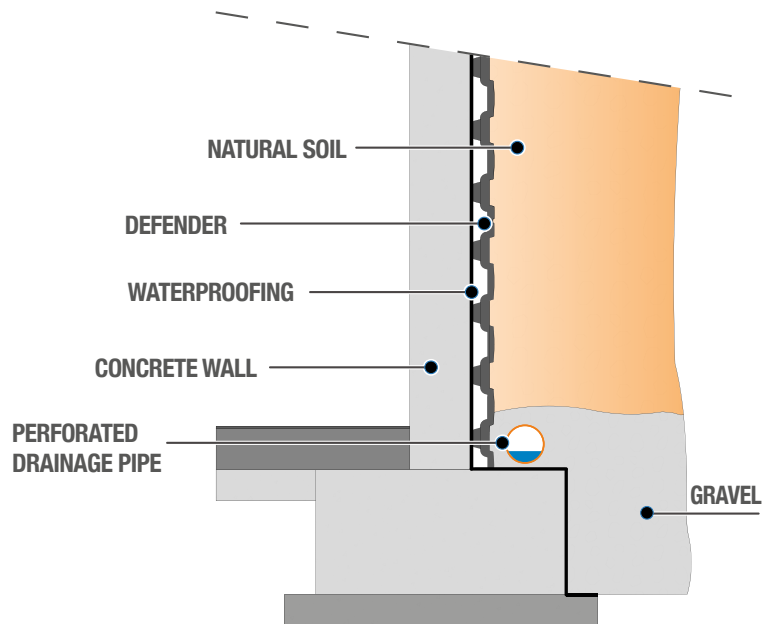
6000 kg m²
compressive
strength



 **BASEMENT AND RETAINING WALL PROTECTION**



**THE DEFENDER PANEL IS
A PROTECTION BARRIER FOR BASEMENT
AND RETAINING WALLS WHICH CREATES
A VENTILATED AND DRAINED CAVITY
BETWEEN THE BACKFILL
OIL AND THE WATERPROOFING.**



**COMPLETE
VENTILATION**



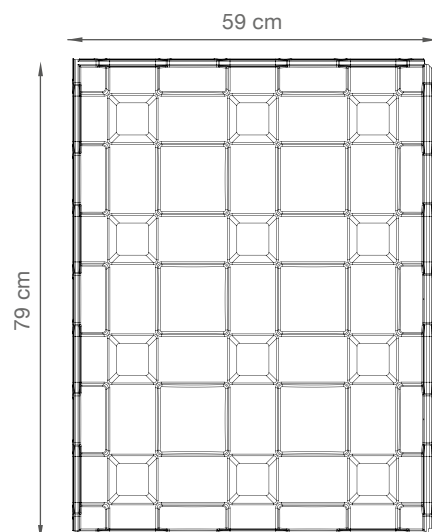
**EXCELLENT
WATER PROOFING**



**HIGH
RESISTANCE**

TECHNICAL DATA

Dimensions (cm)	79 x 59 x H7
Material	Graplene (Recycled Polypropylene Compound)
Packaging dim. (cm)	80 x 120 x H233
Piece weight (kg)	1.63
No.of pieces per pallet	200



REFERENCES

MODULO - PANAMA CRUISE SHIP TERMINAL, PANAMA

The new Panama cruise ship terminal, located at the mouth of the Canal on the Pacific side, covers an area of approximately 12,000 m², of which 8,500 are dedicated to the departure and arrival terminal. Since a significant part of the pedestrian area had to be elevated by 0.5 m, Modulo proved to be the best solution in terms of cost and speed of execution.



ELEVATOR - EXPO 2020 DUBAI THEME DISTRICT, DUBAI

Geoplast was involved in the construction of the facilities for Expo 2020 Dubai, one of the world's largest construction projects of 2019. Thanks to our solutions, all the auxiliary systems (irrigation, water drainage, lighting, etc.) were housed in the cavity created between the foundation slab and the floor surface.



REFERENCES

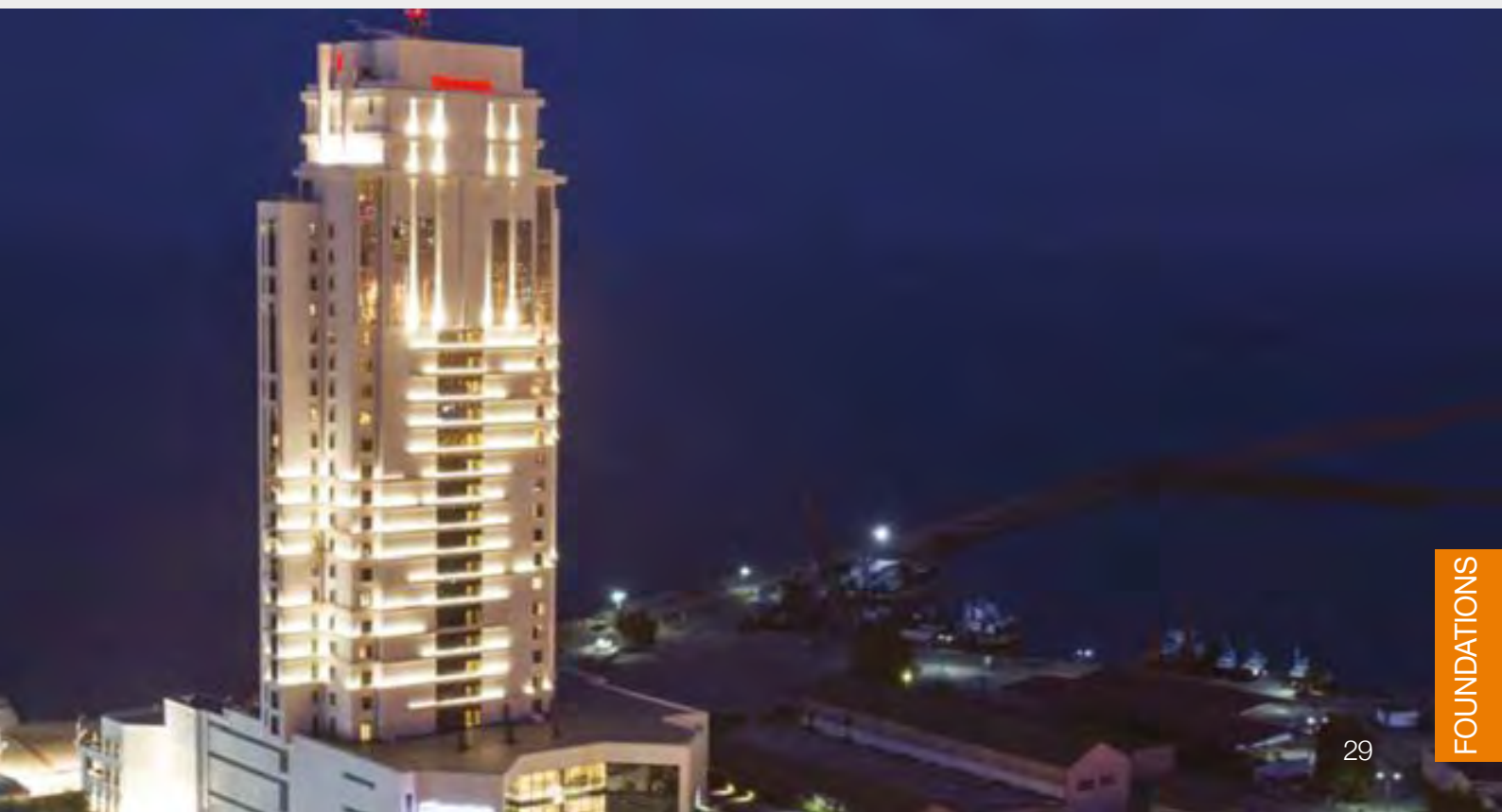
MULTIMODULO - PACIFIC CENTER, PANAMA

The Pacific Center in Panama is a multifunctional complex which consists of three towers with a total area of more than 200,000 m² and is located just a few hundred metres from the Pacific Ocean. Multimodulo was used to create a drainage system between the ground and the foundation slab, allowing water to be collected and conveyed into special sumps and channels.



MODULO - SHERATON GRAND SAMSUN HOTEL, TURKEY

The Sheraton Grand Samsun Hotel in Samsun, Turkey was built using Modulo in both the foundations and slabs. In this way the weight was removed from the structure ensuring a better seismic response, while a protection against ground radon gas and moisture was inbuilt by creating a ventilated crawl space.



REFERENCES

DEFENDER - LIBESKIND RESIDENCES, MILAN, ITALY

Defender was used for the construction of Libeskind's unique residences in Milan, with the aim of creating a protective barrier against the retaining of the earth and underground walls. Thanks to its high compressive and impact strength, Defender ensured the integrity of the waterproofing membrane during backfilling, and it still contributes to its longevity by keeping it well drained.



ELEVATOR, COLD STORAGE WAREHOUSE IN TEOLO, PADUA, ITALY

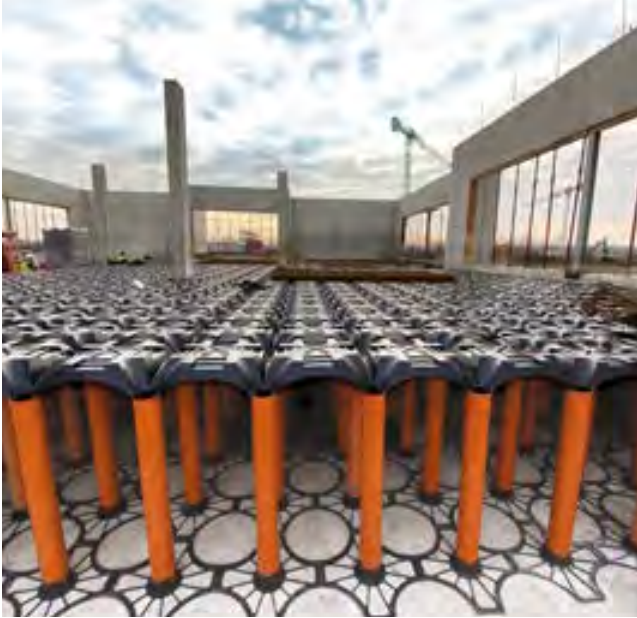
The combination of low-strength soil and high loads made Elevator H125 the best choice for this site, and of course it provides an efficient frost-heave protection to the cold-storage facility. It was installed quickly and without the use of heavy lifting equipment.



REFERENCES

ELEVATOR - H-FARM CAMPUS, TREVISO, ITALY

Designed and built according to the principles of energy self-sufficiency and minimum impact on the environment, H-Farm is the largest technological hub for innovation in Europe. Elevator in this case was used for the infills in the foundations.



MODULO - MOROCCO MALL SHOPPING CENTRE, CASABLANCA, MOROCCO

With a surface of 90,000 mq, the Morocco Mall is the largest shopping centre in North Africa. Modulo H45 was used to create level compensation between pile-caps.





GEOPANEL

Formwork system for walls.



GEOTUB PANEL

Square and rectangular formwork.



GEOSKY

Flat slab formwork.



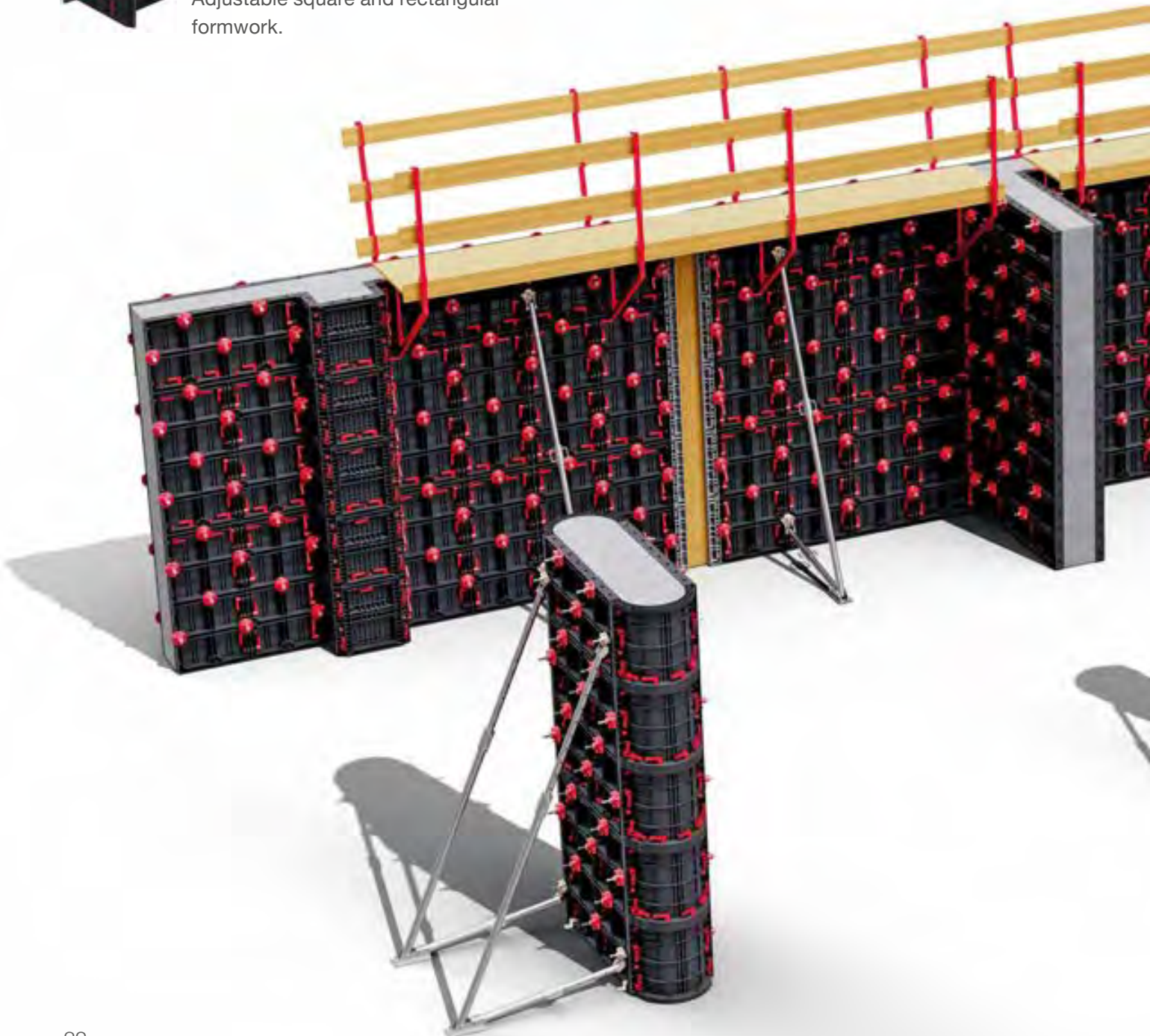
GEOTUB

Circular column formwork.



GEOPANEL STAR

Adjustable square and rectangular formwork.



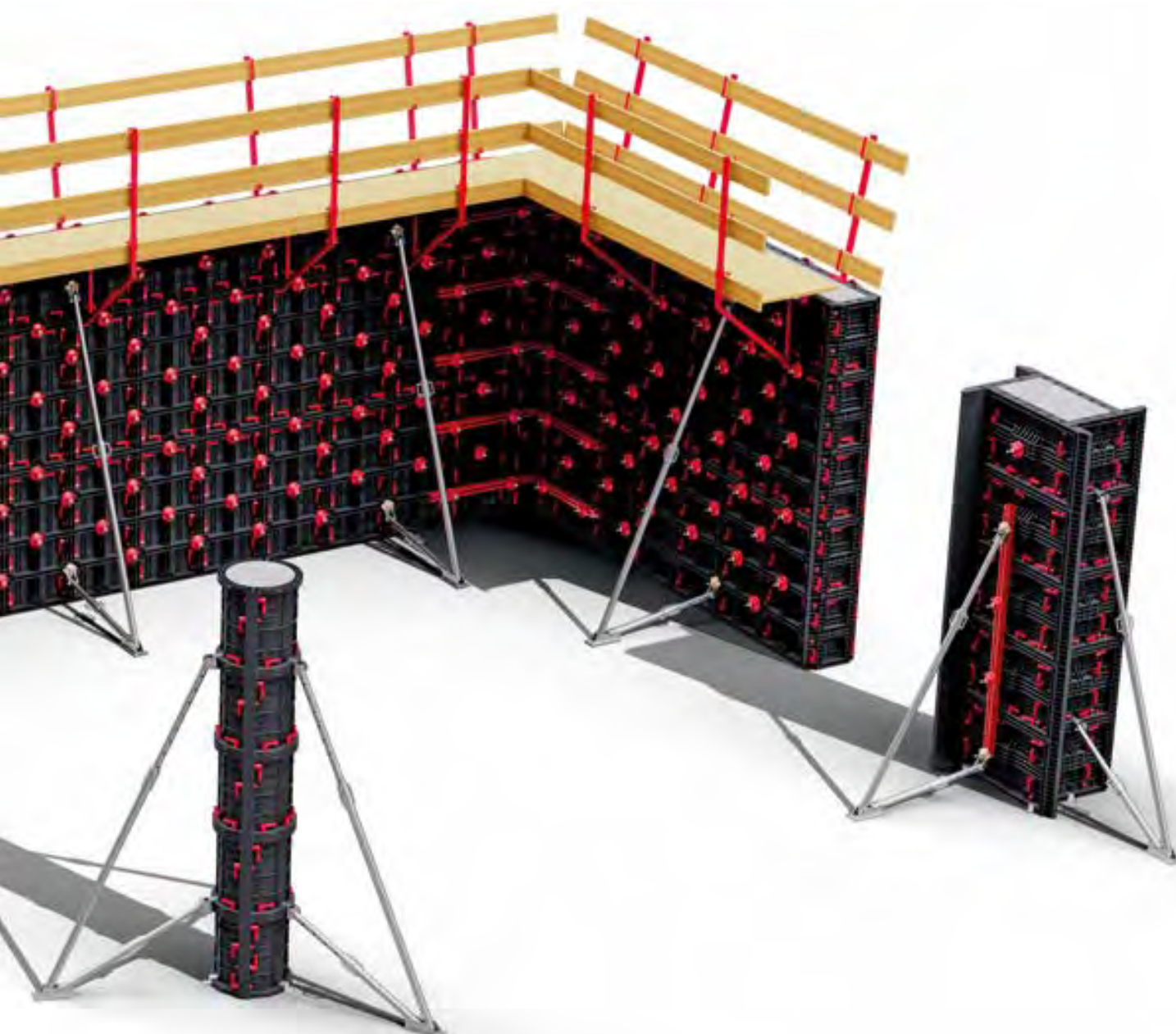
FORMWORKS

The Geoplast universal formwork system has been designed for ease of use.

Easy to assemble and handle, it increases productivity, improves the working conditions

and reduces the impact on the environment.

After cleaning, all panels are reusable for further castings.



GEOPANEL FORMWORK SYSTEM FOR WALLS



fresh concrete
pressure 60 kN/m²

+ panel weight
11 kg (15 kg/m²)

+ universal
locking system

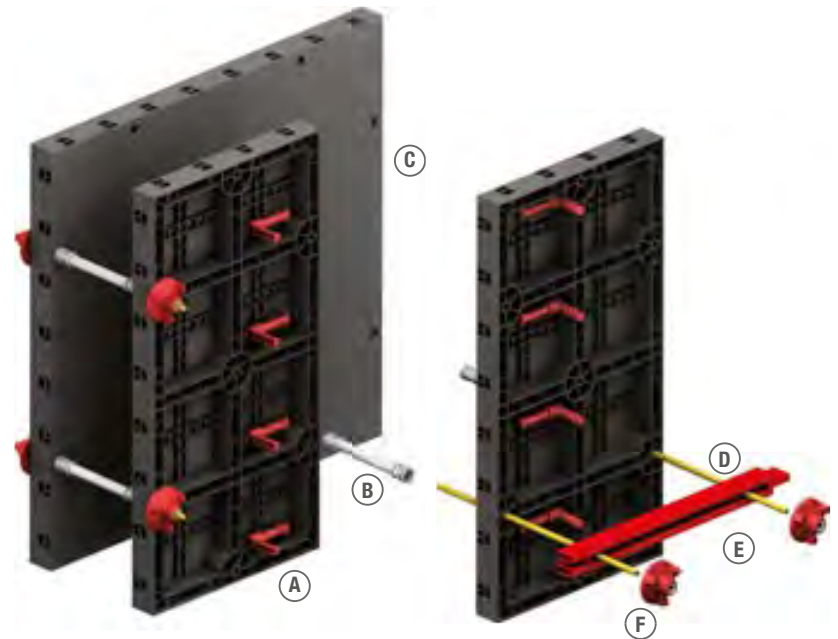
- ✓ WALLS, SHEAR WALLS
- ✓ ELEVATOR SHAFTS
- ✓ FOUNDATIONS
- ✓ BRIDGE REPAIR

- ✓ LINTELS AND CAPPING BEAMS
- ✓ RENOVATIONS
- ✓ RING BEAMS

- ✓ TANKS AND IRRIGATION STRUCTURES
- ✓ PITS AND MANHOLES
- ✓ SWIMMING POOLS



**UNIVERSAL FORMWORK
MADE OF TECHNOPOLYMER
FOR FAST AND EFFICIENT SHUTTERING
WITHOUT THE USE OF CRANES.
IT IS USED TO FORM WALLS,
RING BEAMS, STAIRWELL,
ELEVATOR SHAFTS, ENCASING WALLS
AND FOUNDATIONS.**



- (A) HANDLE
- (B) SPACER
- (C) GEOPANEL 120X60
- (D) TIE ROD
- (E) ALIGNMENT BAR
- (F) ANCHOR NUT



LIGHTWEIGHT



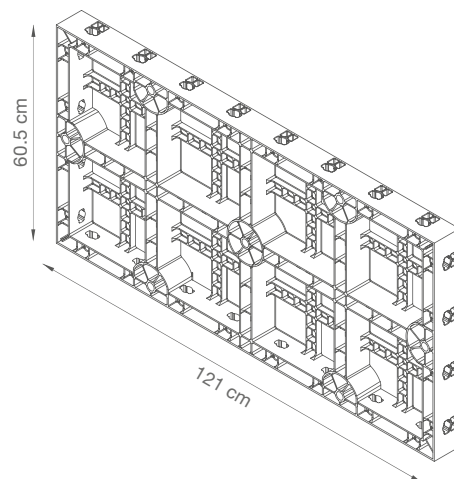
EASY TO HANDLE



STRENGTH

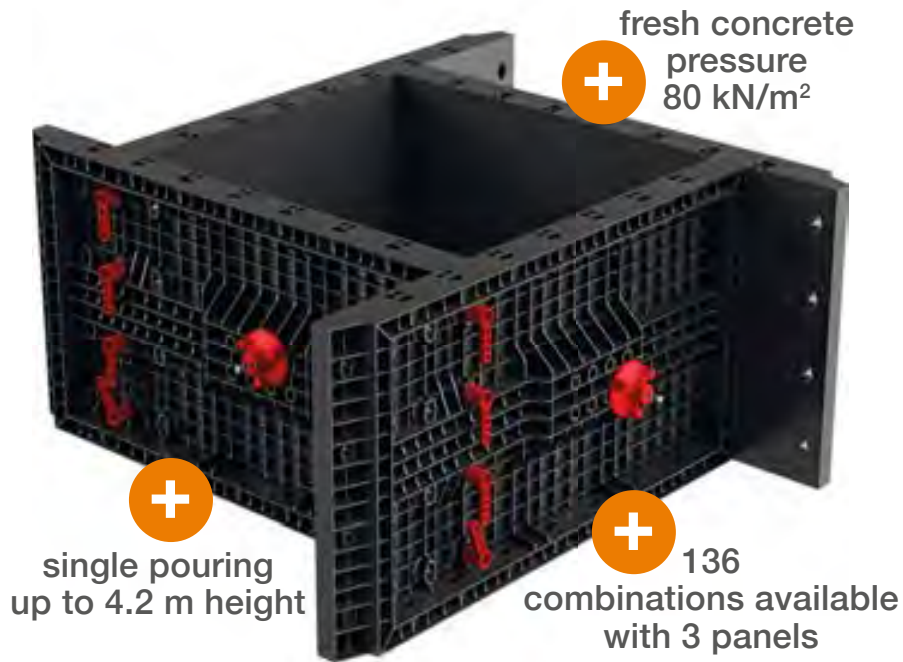
AVAILABLE SIZES - Standard panels

Material		Gratene (Recycled ABS Compound)	
Elements	Nominal dimensions (m)	Elements	Nominal dimensions (m)
GEOPANEL 120X60	1.20 x 0.60	GEOPANEL 5X60	0.05 x 0.60
GEOPANEL 60X60	0.60 x 0.60	GEOPANEL 4X60	0.04 x 0.60
GEOPANEL 40X60	0.40 x 0.60	GEOPANEL 3X60	0.03 x 0.60
GEOPANEL 35X60	0.35 x 0.60	GEOPANEL CL 20-25-30	0.46 x 0.60
GEOPANEL 30X60	0.30 x 0.60	GEOPANEL CL 35-40-45	0.61 x 0.60
GEOPANEL 25X60	0.25 x 0.60	GEOPANEL TWIN ANGLE	0.30 x 0.30 x 0.10
GEOPANEL 20X60	0.20 x 0.60	GEOPANEL INT. ANGLE	0.30 x 0.10 x 0.60
GEOPANEL 15X60	0.15 x 0.60	GEOPANEL EXT. ANGLE	0.25 x 0.60
GEOPANEL WP	0.10 x 0.60		



GEO PANEL STAR

ADJUSTABLE FORMWORK FOR COLUMNS



- ✓ SQUARE AND RECTANGULAR COLUMNS
- ✓ FOOTINGS AND PILE CAPS

- ✓ GEOPANEL INTEGRATION
- ✓ LARGE COLUMNS

- ✓ DAMAGED COLUMN REPAIR
- ✓ COLUMN ENCASING



**GEPANEL STAR IS
AN ADJUSTABLE FORMWORK
SYSTEM FOR SQUARE
AND RECTANGULAR COLUMNS.**



- (A) HANDLE
- (B) SPACER
- (C) GEPANEL STAR
- (D) TIE
- (E) ALIGNMENT BAR
- (F) ANCHOR NUT
- (G) CHAMFER (OPTIONAL)



LIGHT



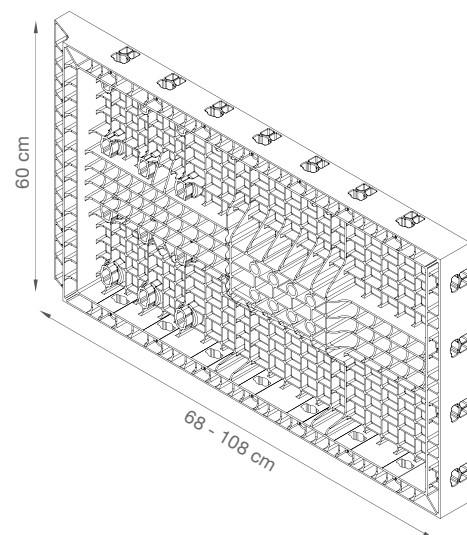
INTUITIVE



STRONG

AVAILABLE DIMENSIONS - Standard panels

Material	Gratene (Recycled ABS Compound)	
Elements	Nominal dimensions (cm)	Dimensions (cm)
GEPANEL STAR 20-60	68 x 60.5 x 8	20 / 30 / 40 / 50 / 60
GEPANEL STAR 25-65	73 x 60.5 x 8	25 / 35 / 45 / 55 / 65
GEPANEL STAR 70-100	108 x 60.5 x 8	70 / 80 / 90 / 100



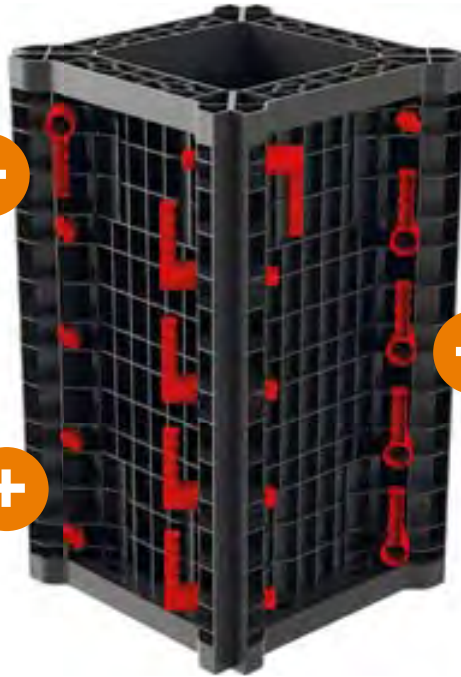
GEOTUB PANEL

FORMWORK FOR SQUARES AND RECTANGULAR COLUMNS

55 combinations available



integrated chamfer

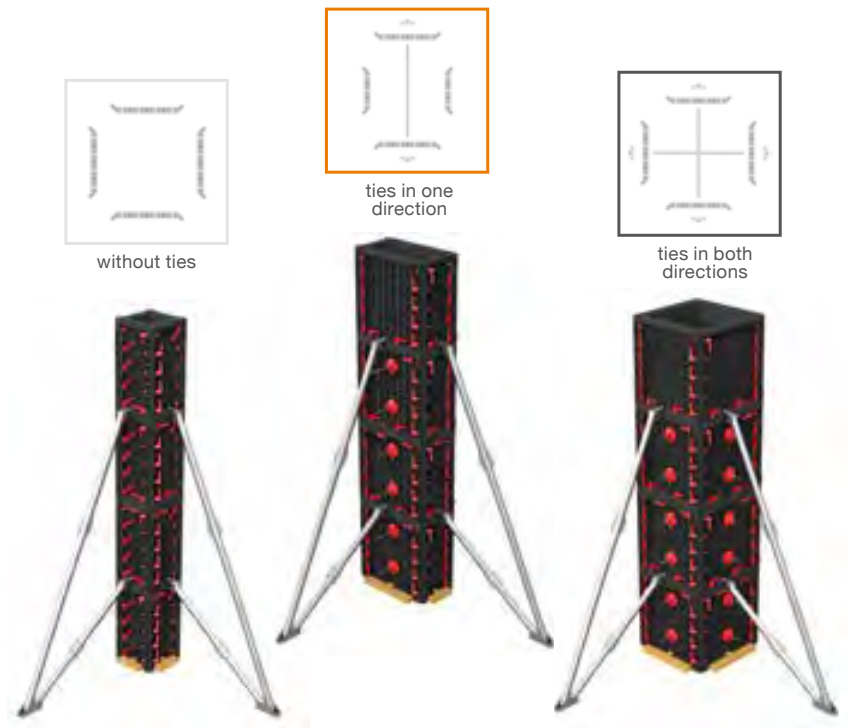


lightweight and easy to handle

 **CASTING OF COLUMNS IN SERIES**



**GEOTUB PANEL IS A FORMWORK
MADE OF TECHNOPOLYMER
FOR SQUARE AND
RECTANGULAR COLUMNS.
EXTREMELY EASY AND
INTUITIVE TO USE.**



MODULAR



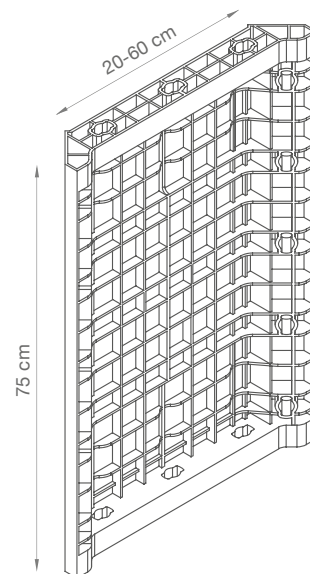
PRACTICAL



QUICK

AVAILABLE DIMENSIONS - Standard panels

Material		Gratene (Recycled ABS Compound)	
Elements	Nominal dimensions (cm)	Elements	Nominal dimensions (cm)
GEOTUB PANEL 20	20 x H75	GEOTUB PANEL 40	40 x H75
GEOTUB PANEL 23	23 x H75	GEOTUB PANEL 45	45 x H75
GEOTUB PANEL 25	25 x H75	GEOTUB PANEL 50	50 x H75
GEOTUB PANEL 30	30 x H75	GEOTUB PANEL 55	55 x H75
GEOTUB PANEL 35	35 x H75	GEOTUB PANEL 60	60 x H75



GEOTUB

CIRCULAR PLASTIC FORMWORK FOR ROUND AND OVAL COLUMNS

fresh concrete
pressure
80 kN/m²



11 diameters
available



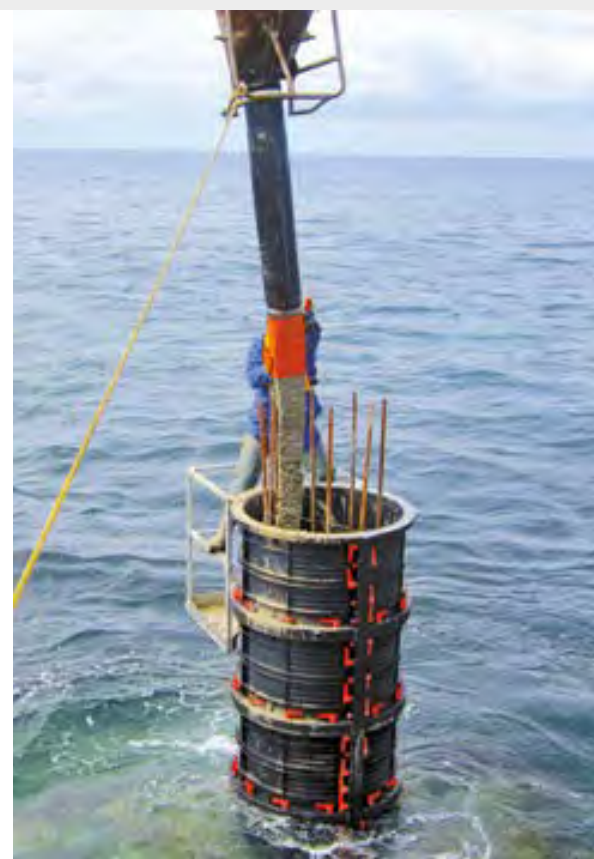
handled
manually



- ✓ BRIDGE PILLARS
- ✓ COLUMN ENLARGMENT

- ✓ ROUND COLUMNS
- ✓ ELECTRIC PYLON FOUNDATIONS

- ✓ ELLIPTIC COLUMNS
- ✓ DAMAGED COLUMN REPAIR



GEOTUB IS THE FIRST TECHNOPOLYMER FORMWORK FOR THE CONSTRUCTION OF CIRCULAR COLUMNS.

REUSABLE MORE THAN 100 TIMES.

IT IS AVAILABLE IN A WIDE RANGE OF DIAMETERS AND IS SUITABLE FOR ALL TYPES OF CONSTRUCTION SITE.



LIGHTWEIGHT



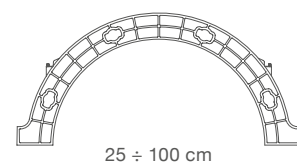
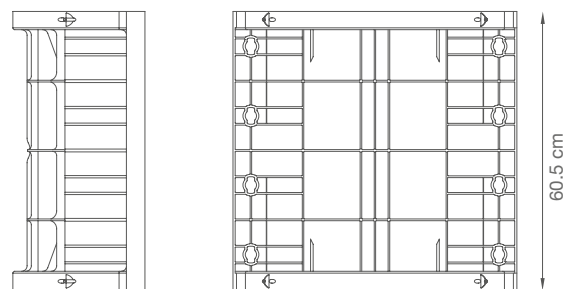
SIMPLE TO USE



STRENGTH

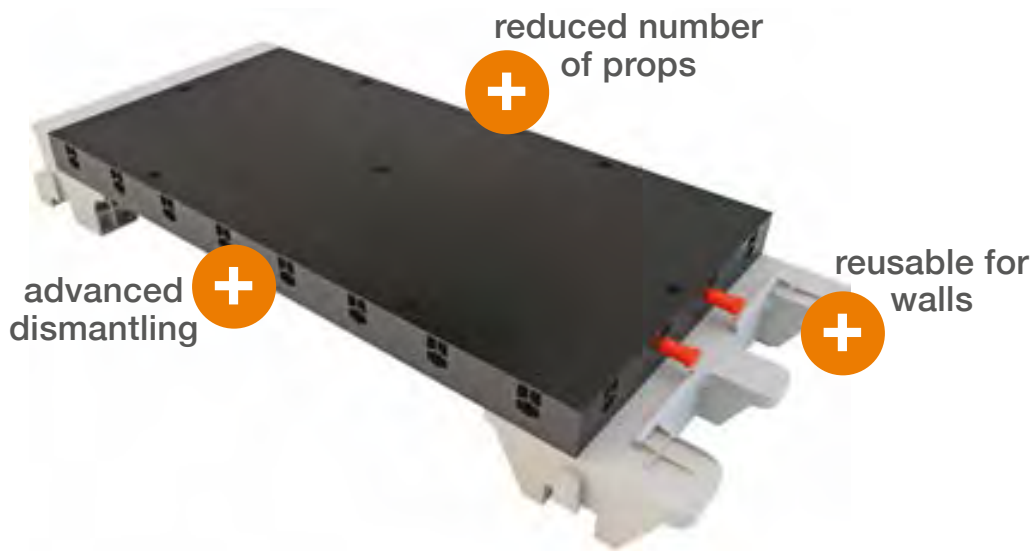
AVAILABLE DIMENSIONS - Standard panels

Material		Gratene (Recycled ABS Compound)	
Elements	Nominal dimensions (cm)	Elements	Nominal dimensions (cm)
GEOTUB Ø 25	Ø25 x H60.5	GEOTUB Ø 60	Ø60 x H60.5
GEOTUB Ø 30	Ø30 x H60.5	GEOTUB Ø 70	Ø70 x H60.5
GEOTUB Ø 35	Ø35 x H60.5	GEOTUB Ø 80	Ø80 x H60.5
GEOTUB Ø 40	Ø40 x H60.5	GEOTUB Ø 90	Ø90 x H60.5
GEOTUB Ø 45	Ø45 x H60.5	GEOTUB Ø 100	Ø100 x H60.5
GEOTUB Ø 50	Ø50 x H60.5	GEOTUB Ø 130	Ø130 x H60.5



GEOSKY

REUSABLE FORMWORK IN ABS FOR SLABS



✓ FORMWORK FOR FLAT SLABS



FORMWORK FOR SLABS MADE OF RECYCLED TECHNOPOLYMER. IT REDUCES THE CONSTRUCTION TIMES OF SLABS SIGNIFICANTLY. THE SYSTEM IS MODULAR, SAFE AND EASY TO INSTALL AND CLEAN.

GEOSKY H+Y (QUICK DISMANTLING)



GEOPANEL 120x60



GEOSKY Y

GEOSKY WEDGE

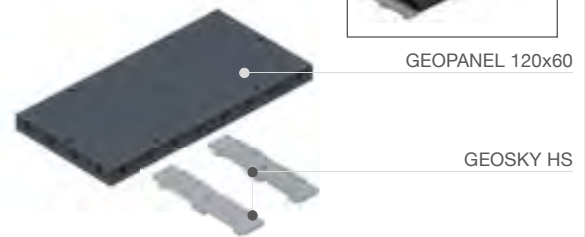
LOCKING HANDLES

GEOSKY H

GEOSKY HS (STANDARD DISMANTLING)



GEOPANEL 120x60



GEOSKY HS



LIGHTWEIGHT AND MANAGEABLE



SAFE



QUICK DISMANTLING

SYSTEM'S COMPONENTS

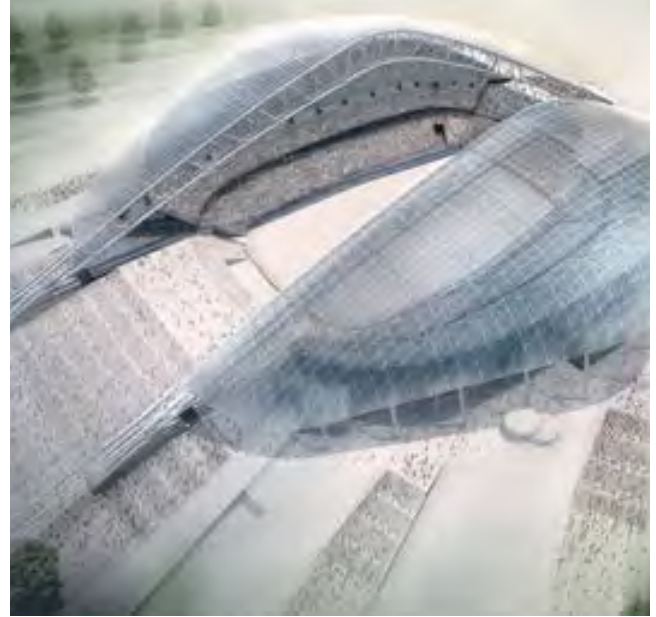
Material	Gratene (Recycled ABS Compound)	
Elements of the system	Nominal dimensions (cm)	Nominal dimensions (cm)
GEOSKY Y BEAM	19.1 x 60.5 x H20	120 x 60
GEOSKY H BEAM	31 x 60.5 x H12.1	15 x 60
GEOSKY HS BEAM	13 x 60.5 x H5.8	20 x 60
GEOSKY WEDGE	16 x 60.5 x H11.8	25 x 60
TWIN ANGLE	30.3 x 30.3 x H10	35 x 60
		40 x 60



REFERENCES

GEOTUB - FISHT OLYMPIC STADIUM, SOCHI, RUSSIA

Fisht Olympic Stadium is located in Sochi Olympic Park. The stadium, which has a capacity of 40,000 people, was constructed for the 2014 Winter Olympic games. It served as the venue for their opening and closing ceremonies. Geoplast Geotub, the reusable plastic formwork for round and elliptic columns, was used during construction reducing crane time considerably.



GEOPANEL STAR - MULTI-STOREY PARKING, MILAN, ITALY

To build the structure of this underground parking lot in Abbiategrasso, Milan, a significant quantity of columns had to be produced. The use of Geopanel Star made it possible to speed up the pouring phases thanks to its ease of handling, speed of installation and dismantling and to the possibility to obtain different size of columns with the same elements.



REFERENCES

GEOPANEL - PALAZZO CANOVA, PADUA, ITALY

Geopanel made it possible to build the concrete structure of this prestigious building quickly. For this project, high standards in terms of aesthetics and quality of materials had been set during the planning phase.



GEOTUB - ONE AIRPORT SQUARE, ACCRA, GHANA

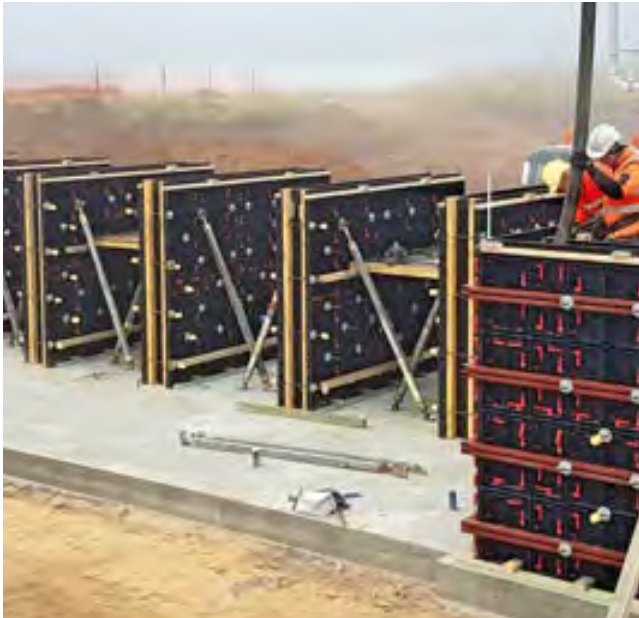
The iconic One Airport Square office building has become a landmark of the Airport District in Accra, Ghana. The closeness to the busy airport area did not allow more than one crane on site, making Geotub 80 cm the perfect choice for this project.



REFERENCES

GEPANEL - IRRIGATION WORKS IN BERRIGAN, AUSTRALIA

Geopanel was used to build two U-shaped walls with channel returns and wing walls to suit the gates of the irrigation channel. Using Geopanel form-work meant that the entire structure could be formed and poured in under 5 days.



GEOUTUB - RED COW MOTORWAY JUNCTION, DUBLIN, IRELAND

Thanks to the use of Geotub 60 it was possible to avoid the movement of cranes that would have forced the temporary closure of the lanes to traffic during installation of the system. Each new bridge is supported by 12 round columns of 60 cm diameter.



REFERENZE

GEOPANEL STAR - NAD AL SHEBA 3 VILLAS, DUBAI

Geopanel Star was chosen for the construction of the columns: ease of movement and resistance to high temperatures were the fundamental elements in the choice of the formwork.



GEOPANEL - MANUKAU CITY SHOPPING, AUCKLAND, NEW ZELAND

Originally built in 1976, this shopping centre was recently expanded to include 40 new shops and an outdoor recreation area, which also serves as a restaurant. The concrete structures were made with Geopanel.





NAUTILUS

System for the lightening of bidirectional slabs with flat intrados.



SKYRAIL

Reusable technopolymer formwork for lightened monodirectional slabs.



NAUTILUS EVO

System for lightening of two-way slabs with flat intrados.



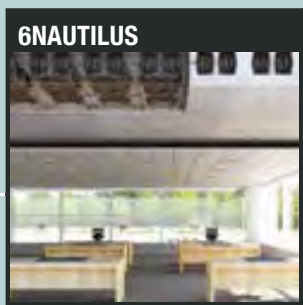
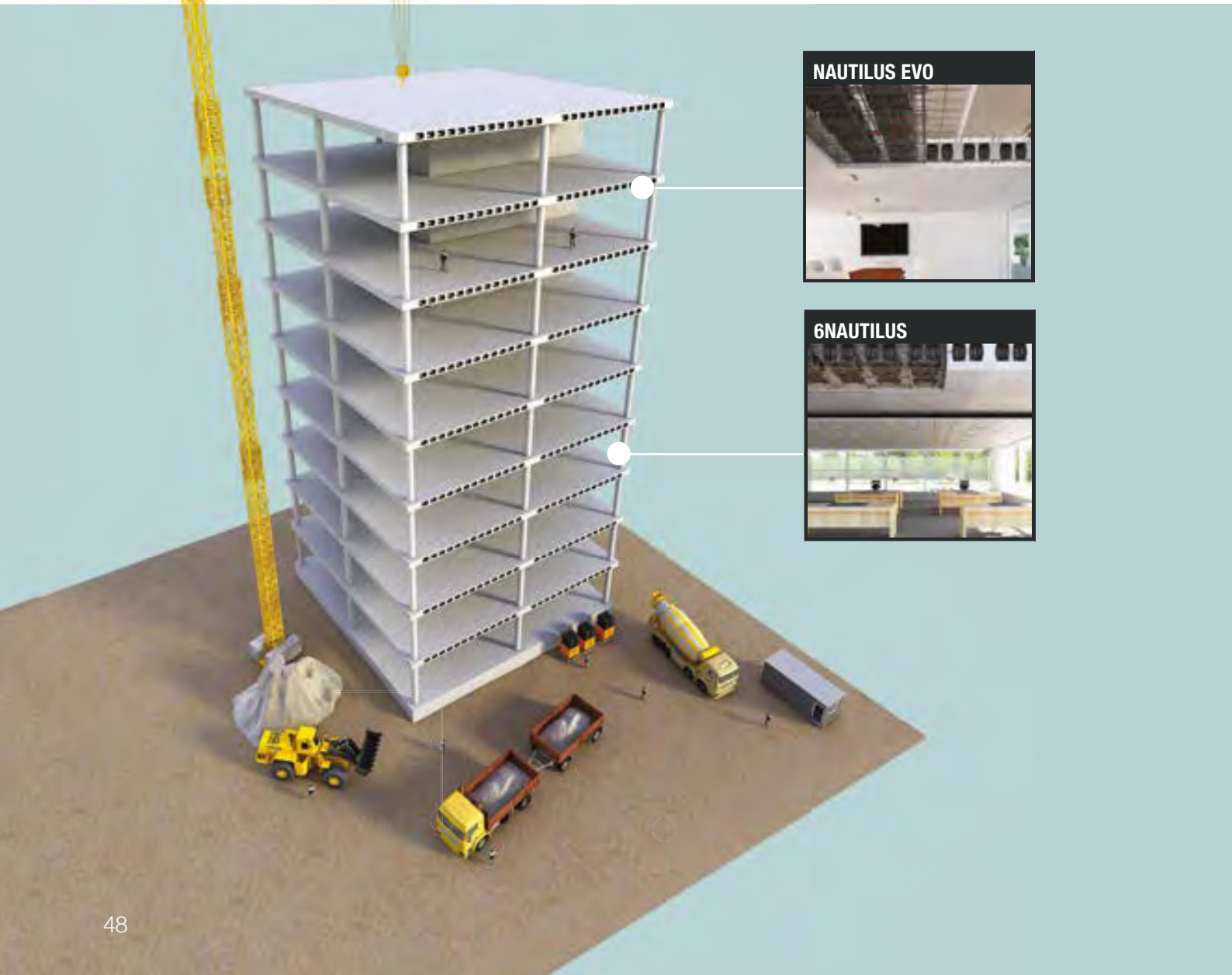
AIRPLAST

Mono-directional or monodirectional to be used for both solutions.



SKYDOME

Reusable technopolymer formwork for lightened bidirectional slabs.

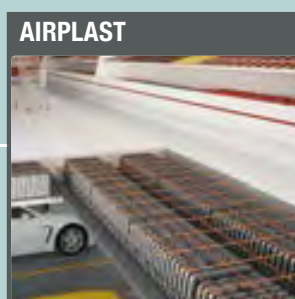
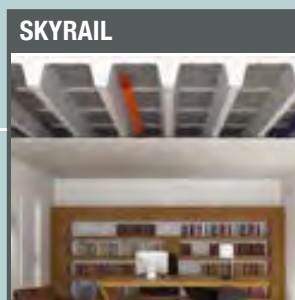


SLABS

A constant dialogue with the actors on the social and environmental system in which it operates, is in our view the only way for a company to be fully innovative.

Any decision should take into account 3 main objectives: respect for the Planet, well-being of People, Profitability for operators.

In all solutions which are part of the Slabs Division these objectives are fulfilled. Geoplast slabs create lighter buildings, which respond better to seismic stress. Furthermore, they are built through construction methods and materials that emit less pollutants into the environment and that trigger cost savings.



NAUTILUS

LIGHTENING SYSTEM FOR REINFORCED CONCRETE SLABS

NAUTILUS SINGLE



+ 15% of cost saving compared to solid slab

NAUTILUS DOUBLE



+ REI 180 certified

+ reduced slab thickness

✓ MULTISTOREY RESIDENTIAL BUILDINGS

✓ SHOPPING MALLS, HOSPITALS, COMMERCIAL BUILDINGS

✓ MULTISTOREY PARKING LOTS



**SYSTEM FOR LIGHTENED
REINFORCED CONCRETE SLABS
MADE OF RECYCLED POLYMER.**

NAUTILUS SINGLE

	H16	H20	H24
Dimensions (cm)	52 x 52		
Material	Graplene (Recycled Polypropylene Compound)		
Piece volume (m ³)	0.033	0.040	0.047
No. of pieces/pallet	400		

NAUTILUS DOUBLE

	H32	H36	H40	H44	H48
Dimensions (cm)	52 x 52				
Material	Graplene (Recycled Polypropylene Compound)				
Piece volume (m ³)	0.066	0.073	0.080	0.087	0.094
No. of pieces/pallet	200				

TECHNICAL DATA FOR ALL DIMENSIONS

	NAUTILUS SINGLE	NAUTILUS DOUBLE
Foot H (cm)	0 - 4 - 5 - 6 - 7 - 8 - 9 - 10	
Spacer (cm)	10 - 12 - 14 - 16 - 18 - 20	
Packaging dim. (cm)	110 x 120 x H250	



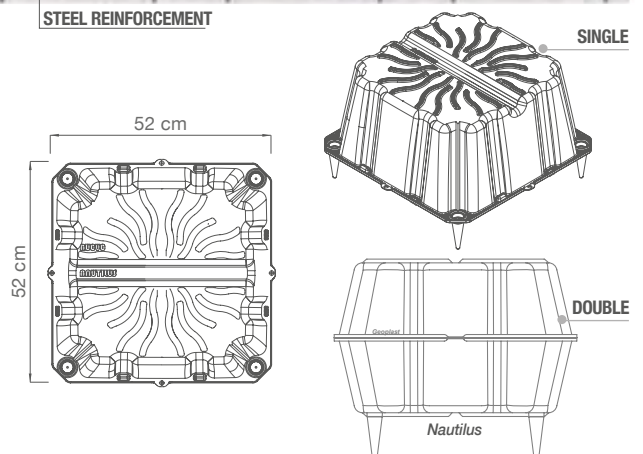
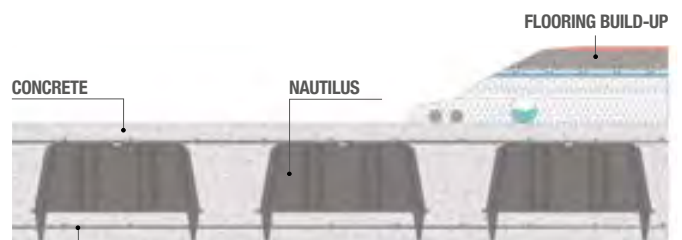
**DESIGN
FLEXIBILITY**



ANTISEISMIC




**SIMPLIFIED
LOGISTICS**



NAUTILUS EVO LIGHTENING SYSTEM FOR REINFORCED CONCRETE SLABS

NAUTILUS EVO SINGLE



 15% of cost saving compared to solid slab

NAUTILUS EVO DOUBLE



 REI 180 certified

 integrated cone



 MULTISTOREY RESIDENTIAL BUILDINGS

 SHOPPING MALLS, HOSPITALS, COMMERCIAL BUILDINGS

 MULTISTOREY PARKING LOTS



**SYSTEM FOR LIGHTENED
REINFORCED CONCRETE SLABS
MADE OF RECYCLED POLYMER.**

NAUTILUS EVO SINGLE

	H10	H13	H16	H20	H24	H28
Dimensions (cm)	52 x 52					
Material	Graplene (Recycled Polypropylene Compound)					
Pièce vol.* (m³)	0.024	0.028	0.032	0.039	0.046	0.053
No. of pieces/pallet	400					

NAUTILUS EVO DOUBLE

	H13	H14	H15	H16	H17	H18	H19	H20	H21	H23
Dimensions (cm)	52 x 52									
Material	Graplene (Recycled Polypropylene Compound)									
Pièce vol.* (m³)	0.029	0.031	0.032	0.033	0.035	0.036	0.037	0.048	0.040	0.052
No. of pieces/pallet	230									

	H24	H25	H26	H27	H28	H29	H30	H31	H32	H33
Dimensions (cm)	52 x 52									
Material	Graplene (Recycled Polypropylene Compound)									
Pièce vol.* (m³)	0.046	0.047	0.056	0.051	0.053	0.060	0.063	0.058	0.064	0.067
No. of pieces/pallet	230	230	200	230	230	230	200	230	230	230

	H34	H36	H37	H38	H40	H41	H44	H48	H52	H56
Dimensions (cm)	52 x 52									
Material	Graplene (Recycled Polypropylene Compound)									
Pièce vol.* (m³)	0.070	0.071	0.074	0.077	0.078	0.081	0.085	0.092	0.099	0.106
No. of pieces/pallet	200									

TECHNICAL DATA FOR ALL DIMENSIONS

	NAUTILUS EVO SINGLE	NAUTILUS EVO DOUBLE
Foot H (cm)	0 - 5 - 6 - 7 - 8 - 9 - 10	
Spacer (cm)	10 - 12 - 14 - 16 - 18 - 20	
Packaging dim. (cm)	110 x 120 x H250	

* The piece volume may vary depending on the model, see data sheet for details.



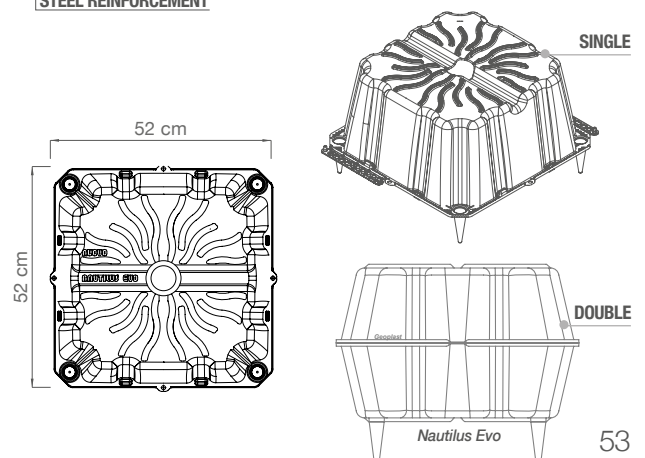
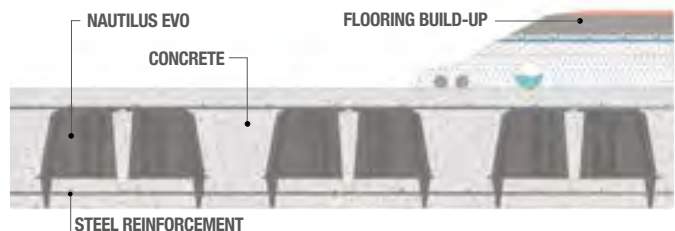
**DESIGN
FLEXIBILITY**



ANTISEISMIC



**SIMPLIFIED
LOGISTICS**



SKYDOME

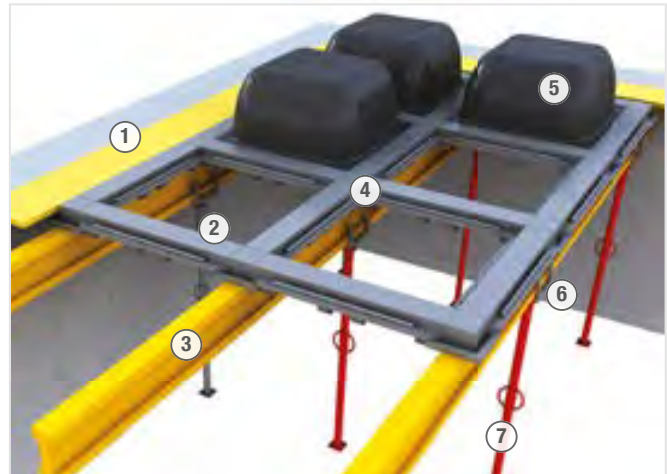
REUSABLE TECHNOPOLYMER FORMWORK FOR LIGHTENED WAFFLE SLABS



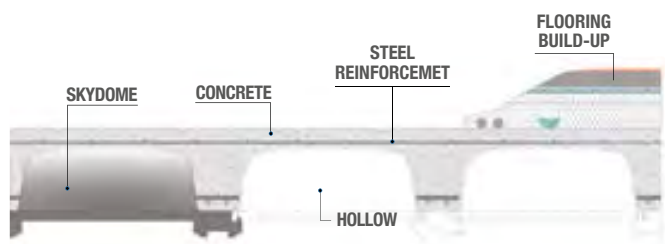
✓ **BIDIRECTIONAL SLABS**



**REUSABLE FORMWORK SYSTEM
MADE OF TECHNOPOLYMER
FOR THE CONSTRUCTION
OF BIDIRECTIONAL
SLABS, CAST-IN-SITU.**



- ① WOODEN COMPENSATION
- ② SKYDOME BEAM
- ③ WOODEN BEAM
- ④ SKYDOME CUBE
- ⑤ SKYDOME DOME
- ⑥ FORK
- ⑦ PROP



**SEISMIC MASS
REDUCTION**



**REDUCED LOADS
AND CONSUMPTIONS**

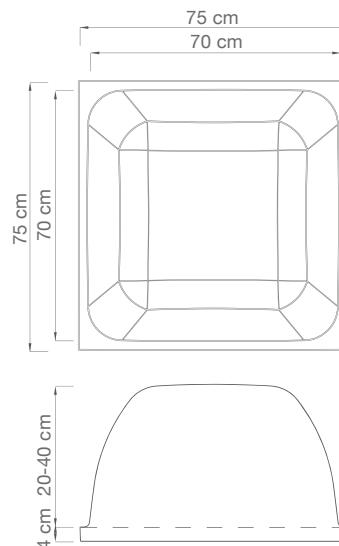


**SIMPLE
ASSEMBLY**



TECHNICAL DATA

	H200	H250	H300	H350	H400
Dimensions (cm)	75 x 75				
Packaging dim. (cm)	75 x 150 H231	75 x 150 H236	75 x 150 H240	75 x 150 H250	75 x 150 H255
Material	Gratene (Recycled ABS Compound)				
Piece weight (kg)	4.54	4.87	5.36	5.78	6.84
No. of pieces / pallet	100	100	100	100	100



SKYRAIL

REUSABLE TECHNOPOLYMER FORMWORK FOR LIGHTENED MONODIRECTIONAL SLABS

reusable
up to 100 times



3 heights
available



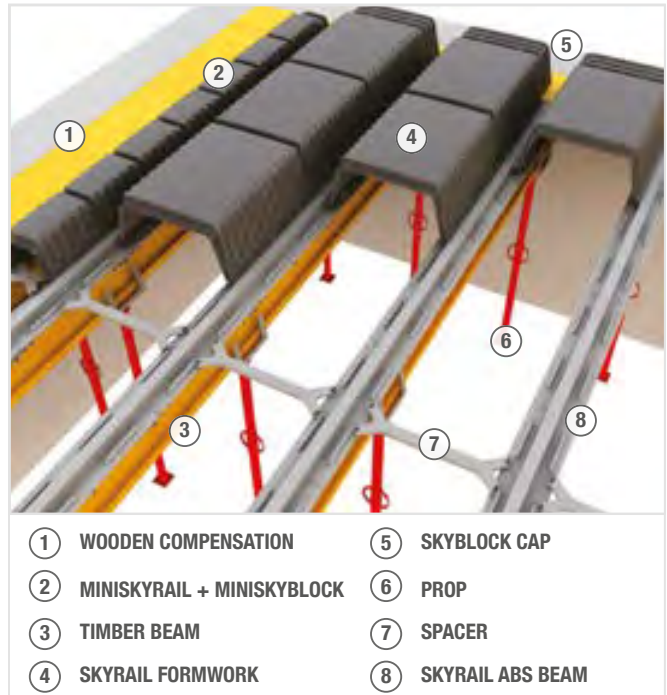
technical
void for MEP
installations



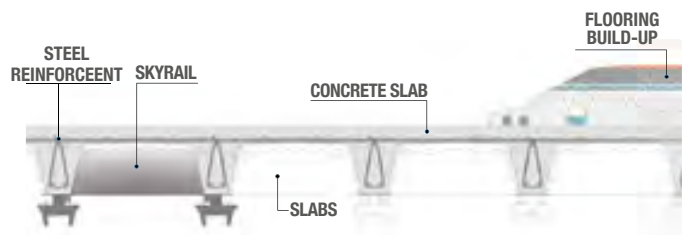
✓ MONO-DIRECTIONAL SLABS



REUSABLE FORMWORKS
FOR THE CREATION
OF MONO-DIRECTIONAL SLABS
FOR CIVIL AND COMMERCIAL USE.
DESIGNED TO LIGHTEN, THE VOID SPACE
CAN BE USED FOR MEP INSTALLATIONS.
CONCRETE SLABS CAN BE USED
AS A TECHNICAL COMPARTMENT
FOR HYDRAULIC, ELECTRICAL
AND LIGHTING SYSTEMS.



- ① WOODEN COMPENSATION
- ② MINISKYRAIL + MINISKYBLOCK
- ③ TIMBER BEAM
- ④ SKYRAIL FORMWORK
- ⑤ SKYBLOCK CAP
- ⑥ PROP
- ⑦ SPACER
- ⑧ SKYRAIL ABS BEAM



MODULAR



ECONOMIC



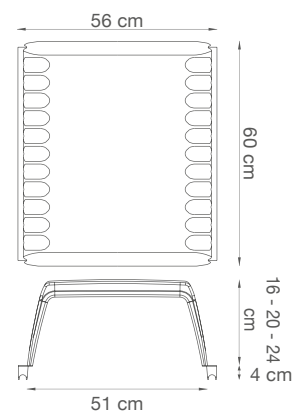
EASY TO HANDLE

SKYRAIL TECHNICAL DATA

	H16	H20	H24
Dimensions (cm)	56 x 60		
Packaging dim. (cm)	110 x 125 H230	110 x 125 H232	110 x 125 H235
Material	Gratene (Recycled ABS Compound)		
Piece weight (kg)	2.14	2.52	2.98
No. of pieces / pallet	208	204	200

SKYBLOCK TECHNICAL DATA

	H16	H20	H24
Dimensions (cm)	50.4 x 37 x H13	50.4 x 37 x H17	50.4 x 37 x H21
Packaging dim. (cm)	100 x 120 H230	100 x 120 H233	100 x 120 H235
Material	Gratene (Recycled ABS Compound)		
Piece weight (kg)	1.11	1.23	1.46
No. of pieces / pallet	420	420	420



AIRPLAST

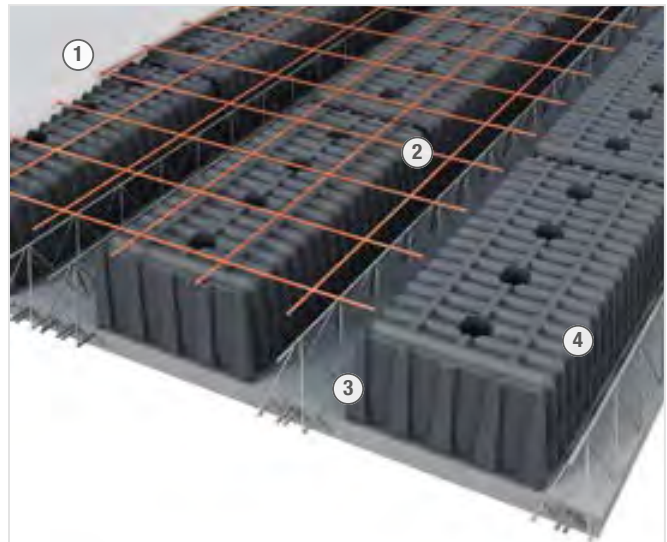
SYSTEM FOR THE LIGHTENING OF MONO-DIRECTIONAL SLABS WITH FLAT INTRADOS



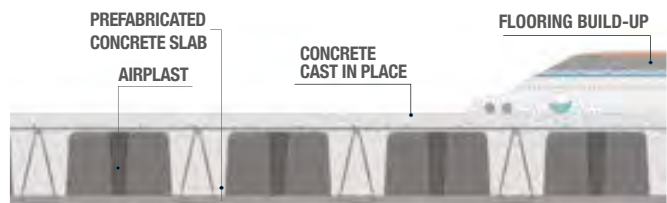
✓ CIVIL AND COMMERCIAL APPLICATIONS



**SAFE AND ADVANCED SYSTEM
FOR REALIZING
SEMI-PREFABRICATED
PLATES (PREDALLES)
FOR THE CAST IN SITU
OF MONO-DIRECTIONAL SLAB
WITH FLAT INTRADOS.**



- ① RIBBING AND TOP SLAB POUR
- ② WELDED MESH
- ③ LOWER SLAB
- ④ AIRPLAST VOID FORMERS



**NO WATER
RETENTION**



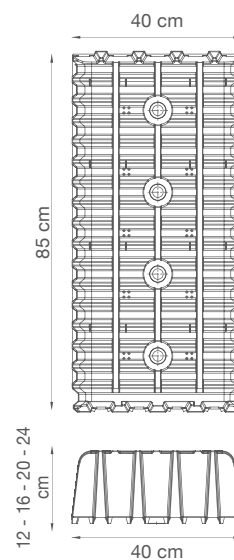
FAST INSTALLATION



STACKABLE

TECHNICAL DATA

	H12	H16	H20	H24
Dimensions (cm)	85 x 40			
Packaging dim. (cm)	85 x 120 H232	85 x 120 H236	85 x 120 H250	85 x 120 H260
Material	Graplene (Recycled Polypropylene Compound)			
Piece weight (kg)	1.75	1.86	2.01	2.23
No. of pieces per pallet	300	300	300	300



REFERENCES

NAUTILUS EVO, MARMARA TOWER, ISTANBUL, TURKEY

Construction of lightened bidirectional anti-seismic slabs in this complex for residential and commercial use.



NAUTILUS EVO, DUAL HOCHSCHULE, STUTTGART, GERMANY

The Nautilus Evo was chosen to create 15,000 m² of lightened slabs with flat intrados.



REFERENCES

NAUTILUS EVO, VARIANT TOWER, IN BORNOVA, IZMIR, TURKEY

20,000 m² of Nautilus Evo were used as an alternative to hollow-core concrete slabs. This building solution ensures maximum structural integrity.



NAUTILUS EVO, HOTEL, VENICE, ITALY

Nautilus Evo Double was used in the construction of this prestigious hotel near Venice, allowing the designers to lighten the floor while reducing concrete and steel consumption.



REFERENCES

SKYDOME, OFFICE BUILDING, CLUJ NAPOCA, ROMANIA

The lightened bidirectional slabs provide ample interior space with minimal use of columns and load-bearing walls.



SKYDOME, LE NUAGE, MONTPELLIER, FRANCE

Large-span slabs were chosen to create space with minimal need for columns and beams. The Skydome formwork was chosen to build 4,500 m² waffle slabs.



REFERENCES

AIRPLAST, EDF EUROPEAN TRAINING AND RESEARCH CENTER, SACLAY, FRANCE

The floors of this building incorporate radiant heating and cooling systems, Airplast void formers were used for lighter cast-in-place slabs.



SKYRAIL, RESIDENTIAL COMPLEX, DAKAR, SENEGAL

Skyrail is a valid alternative to the traditional hollow block slabs. It allows significant savings in time and materials while providing interiors with an unique architectural style and great feeling of space.





DRENING

Tunnel element for water retention and infiltration.



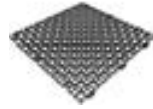
ELEVATOR TANK

Permanent formwork for high-performance reinforced concrete water tanks.



DRAINPANEL

Stormwater infiltration and attenuation modules.



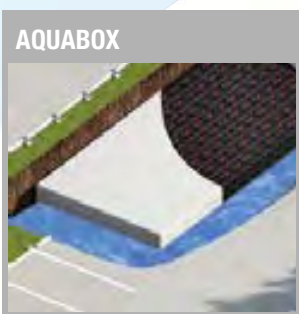
GEOCELL

Cellular structural drainage panel with high horizontal flow capacity.



AQUABOX

Geocellular stormwater management system.

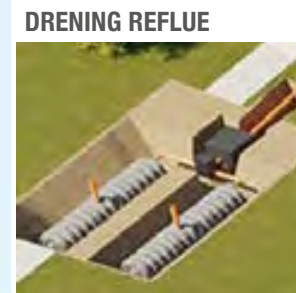
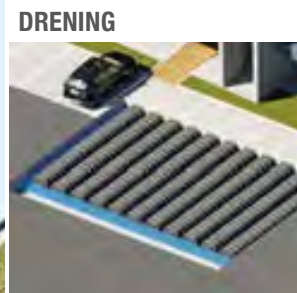
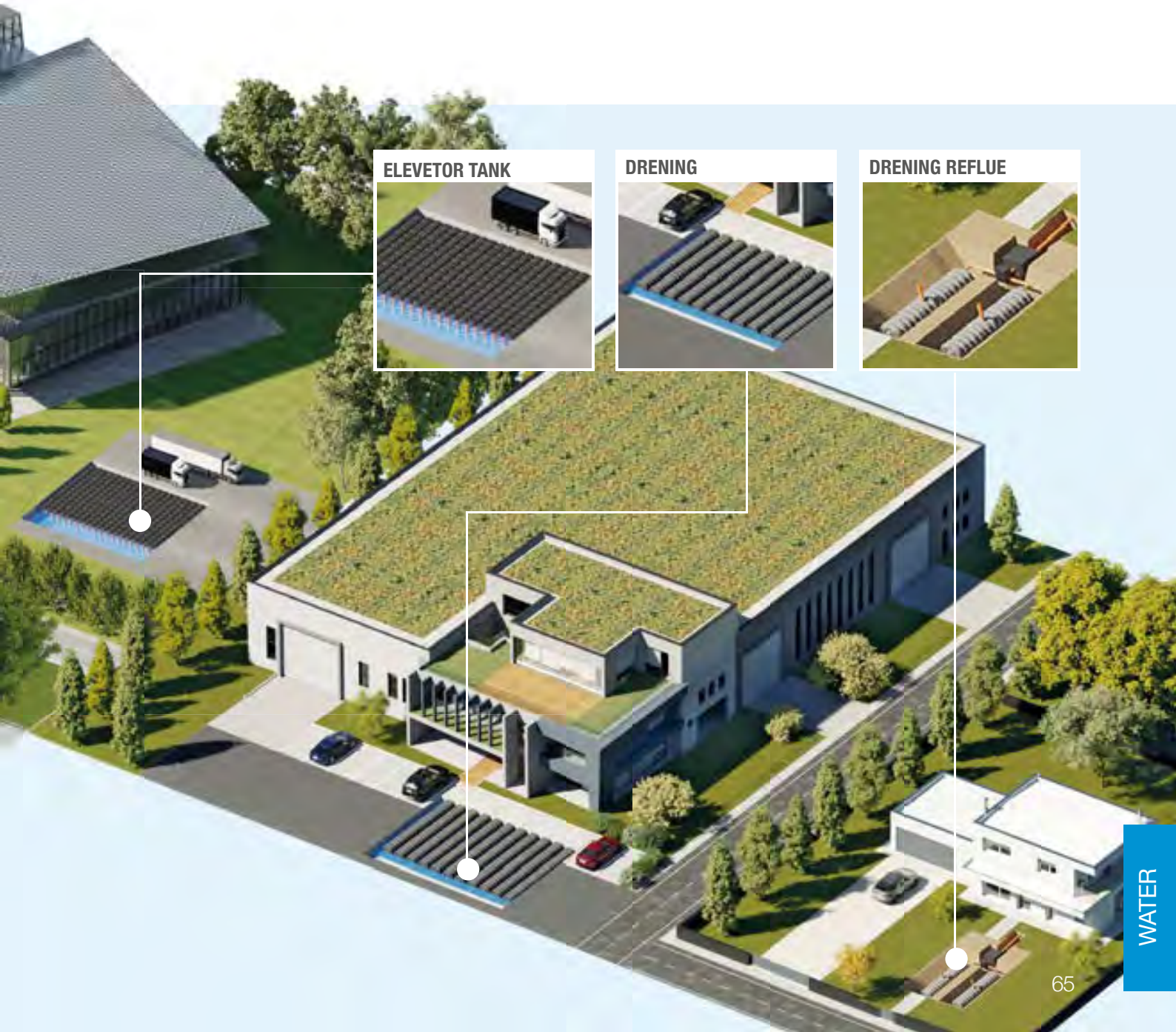


WATER

Increasing precipitations patterns combined with the growth of urban impervious surfaces make it necessary to implement efficient and sustainable stormwater management solutions.

When stormwater is detained in situ and is gradually released into the drainage system or watercourses, potential flood damage

inflicted to local territories and urban areas during heavy rainfall events will be mitigated. Geoplast has developed a wide range of solutions that respond to specific needs and market requirements.



DRENING

TUNNEL ELEMENT FOR RAINWATER STORAGE AND INFILTRATION



✓ INFILTRATIONS TANKS





✓ HARVESTING AND RE-USE

✓ TRENCHES FOR WASTEWATER INFILTRATION



**MODULAR ELEMENT
MADE OF RECYCLED PLASTIC
AND DESIGNED TO CREATE
STORMWATER MANAGEMENT
UNDERGROUND BASINS.**



PALLET cm 125 x 83	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
12.4 m³	370 m³	110 m³	270 m³
			



**REDUCED
EXCAVATION**



**EASY
INSTALLATION**



**UNIVERSAL
SOLUTION**



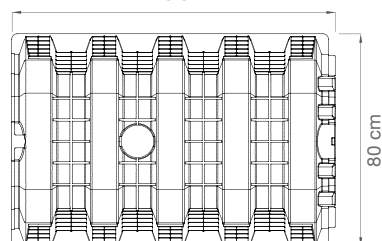
TECHNICAL DATA

Dimensions (cm)	120 x 80 x H40
Installed product length (cm)	117
Material	Graplene (Recycled Polypropylene Compound)
Capacity (l)	310
Lat. infiltration surface (cm ²)	2.800
Packaging size (cm)	125 x 83 x H245
Piece weight (kg)	9.82
No. of pieces per pallet	40



120 cm

120 cm



80 cm

DRAIN PANEL

MODULAR ELEMENT FOR STORMWATER MANAGEMENT



✓ INFILTRATION BASINS

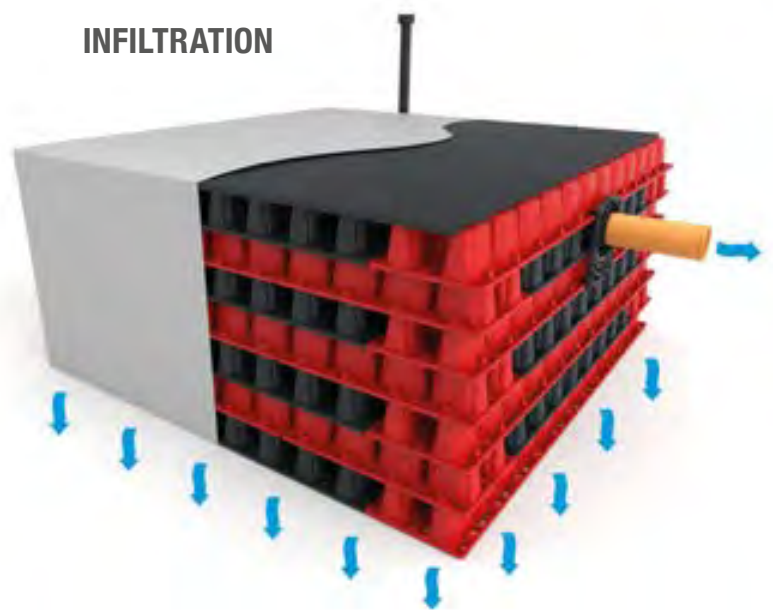
✓ ATTENUATION TANKS





✓ RAINWATER
DETENTION AND REUSE



**MODULAR ELEMENT MADE
OF RECYCLED PLASTIC
AND DESIGNED TO CREATE
STORMWATER MANAGEMENT
UNDERGROUND BASINS.**

INFILTRATION



PALLET cm 112 x 112	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
22 m³	460 m³	160 m³	360 m³
			



**QUICK
INSTALLATION**



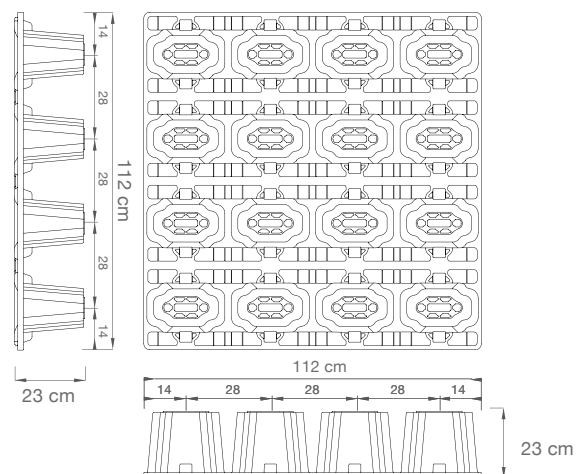
**OVERLAY
ELEMENT**



STRENGTH

TECHNICAL DATA

Dimensions (cm)	112 x 112 x H23
Installed product length (cm)	20
Material	Graplene FV30 (Recycled Polypropylene Compound)
Gross volume (l)	0.25
Hollow percentages (cm ²)	96%
Packaging size (cm)	121 x 112 x H250
Piece weight (kg)	13.50
No. of pieces per pallet	75



AQUABOX

GEOCELLULAR STORMWATER MANAGEMENT SYSTEM

AQUABOX CUBE



AQUABOX HALF



fast and easy installation



high load resistance



96%
void ratio

PATENTED

✓ INFILTRATION
BASINS





✓ DETENTION
TANKS

✓ STORMWATER
HARVESTING



**GEOCELLULAR MODULAR
ELEMENT MADE OF VIRGIN OR
RECYCLED POLYPROPYLENE.
IT IS DESIGNED TO CREATE
UNDERGROUND TANKS
FOR SUSTAINABLE
RAINWATER MANAGEMENT.**



PALLET cm 80 x 152	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
17 m³	380 m³	115 m³	310 m³
			



**HIGH
RESISTANCE**



**HIGH STORAGE
CAPACITY**

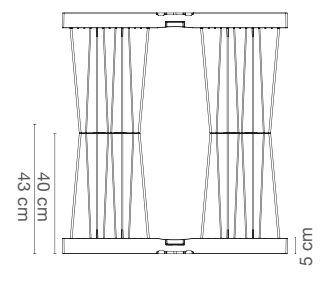
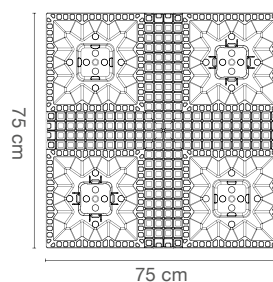


INSPECTABLE



TECHNICAL DATA

	HPR	HP	STR	ST
Dimensions (cm)	75 x 75 x H43			
Material	Graplene VNFV 15 (Polipropilene Compound)	Graplene FV 15 (Polipropilene Compound)	Graplene FV 5 (Polipropilene Compound)	Graplene (Polipropilene Compound)
Load class	SLW 60	SLW 60	SLW 30 (SLW 60)	LANDSCAPING
Minimum covering (m)	0.7	0.7	0.5 (0.8)	0.5
Net volume (l/unit)	216			
Void ratio	96%			
Size packaging (cm)	80 x 152 x H258			
Number of pieces	80			



ELEVATOR TANK

PERMANENT FORMWORK FOR REINFORCED CONCRETE WATER STORAGE TANKS



✓ **STORMWATER ATTENUATION AND STORAGE TANKS**

✓ **TANKS FOR INFRASTRUCTURES OR ROAD WORKS**

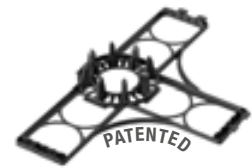
✓ **FIRE-FIGHTING TANKS**



SYSTEM MADE OF RECYCLED PLASTIC MATERIAL USED TO CREATE CONCRETE TANKS FOR RAINWATER HARVESTING OR INFILTRATION. SYSTEM ADJUSTABLE TO HEIGHT AND DIMENSIONS OF THE TANKS, AS PER DESIGN REQUIREMENTS.



TRIO BASE



CUATRO BASE



MAX BASE



**QUICK
INSTALLATION**



**STABLE
AND SAFE**

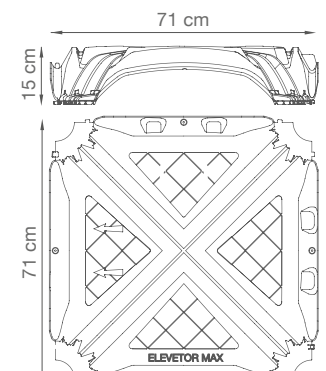
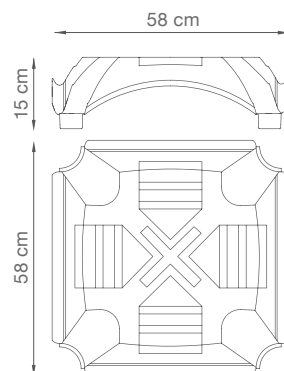


STRENGTH

PALLET cm 120 x 120	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
FORMWORK NEW ELEVATOR 75 m ²	FORMWORK NEW ELEVATOR 1200 m ²	FORMWORK NEW ELEVATOR 360 m ²	FORMWORK NEW ELEVATOR 825 m ²
PALLET cm 150 x 150	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
FORMWORK ELEVATOR MAX 280 m ²	FORMWORK ELEVATOR MAX 2940 m ²	FORMWORK ELEVATOR MAX 1200 m ²	FORMWORK ELEVATOR MAX 2650 m ²

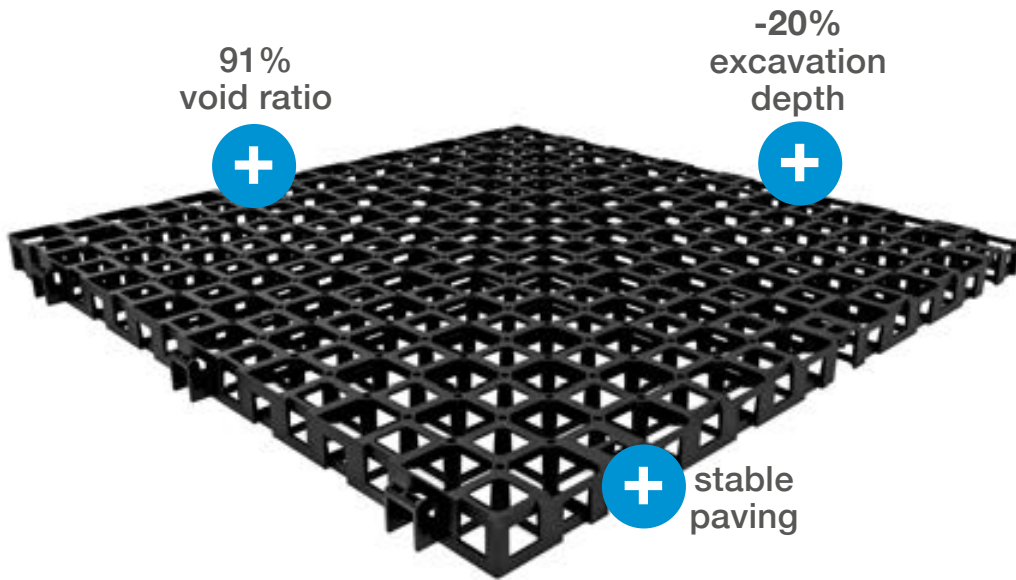
TECHNICAL DATA

	NEW ELEVATOR FORMWORK	ELEVATOR MAX FORMWORK
Dimensions (cm)	58 x 58 x H15	71 x 71 x H15
Material	Graplene (Recycled Polypropylene Compound)	
Packaging dim. (cm)	120 x 120 x H265	150 x 150 x H255
Piece weight (kg)	1.43	3.0
Pcs per pallet	225	560



GEOCELL

DRAINAGE PANEL WITH HIGH HORIZONTAL FLOW RATE



✓ PAVED SURFACES
✓ SPORT COURTS





✓ GOLF COURTS
✓ GREEN ROOFS

✓ GEOTECHNICAL WORKS



**SLIM PROFILE GRID MADE
OF RECYCLED PLASTIC MATERIAL.
IT IS USED FOR HORIZONTAL
DRAINAGE SYSTEMS UNDER PAVED
OR GREEN AREAS.**



PALLET cm 120 x 120	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
100 m²	2200 m²	757 m²	1900 m²
			



STRONG



VERSATILE

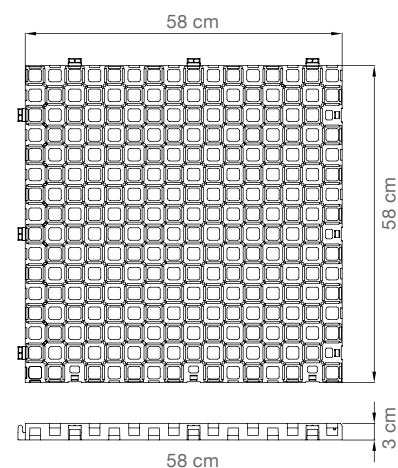


**HIGH
OUTFLOW**



TECHNICAL DATA

Dimensions (cm)	58 x 58 x H3
Material	Graplene (Recycled Polypropylene Compound)
Storage capacity (l/m ²)	27.6
Packaging size (cm)	120 x 120 x H240
Pcs of pieces	300
m ² per pallet	100
Piece weight (kg)	0.97
Permeability	99%



REFERENCES

DRENING - NEW URBANISATION, MILANO, ITALY

Multiple Drening infiltration systems were installed in this new residential centre to allow underground infiltration of a rainwater volume of approximately 450 cubic metres.



DRENING - MARCHESINI GROUP HEADQUARTERS, PARIS, FRANCE

The headquarters of the Marchesini Group located in Saint-Mesmes, close to Paris, France, covers an area of approximately 1000 m². The characteristics of the soil and the need to manage the stormwater make Drening the right solution.



REFERENCES

DRAINPANEL - NEW SEA VISION HEADQUARTERS, PAVIA

The Drainpanel modules were placed below employee car park in the new Sea Vision headquarters. The construction of an infiltration basin of 1,000 cubic meters allowed the correct disposal of rainwater from the flat roof.



DRAINPANEL - ALLIANZ CLOUD SPORT HALL, MILAN, ITALY

Drainpanel system was used to create 4 underground rainwater basins, at Allianz Cloud Sport Hall in Milan. The modular Drainpanel elements were laid on 7 levels in order to create individual basin with a height of 1.6 m, with a total storage volume of 400 m³.



REFERENCES

AQUABOX - ORIO AL SERIO AIRPORT, BERGAMO, ITALY

The use of the Aquabox modular system provided Milan/Bergamo Orio al Serio airport a runway with a full drainage system by creating a tank with a capacity of 800 cubic metres of rainwater.



AQUABOX - ORIO AL SERIO AIRPORT, BERGAMO, ITALY

At the Airport of Orio al Serio, Bergamo, Aquabox was used for the management of rainwater. It proved to be an optimal solution since it allowed to inspect the tanks at any time and to plan the maintenance correctly.



REFERENCES

AQUABOX - BUSINESS CENTER, MILAN, ITALY

At an important Business Centre in Milan the designers created a multi-level storage basin to collect rainwater from the roof and from the car park, thus preventing any risk of flooding.



AQUABOX - NEW URBAN DEVELOPMENT, TRENTO, ITALY

A rainwater collection basin was built with Aquabox in a new urbanisation area in the Trento area to protect the new development from the consequences of extreme rainfall events.



REFERENCES

ELEVATOR TANK - SHOPPING CENTRE, MARGHERA, ITALY

Elevetor Tank was used to build a rainwater storage tank, below the car park of the “Nave de Vero” shopping centre. The tank was made of concrete and can store approximately 5,000 cubic meters of water.



ELEVATOR TANK - SHOPPING CENTRE, TURIN, ITALY

MondoJuve shopping center has a surface of 82,000 m² and it finds itself on a land area of about 340,000 m². It is likely to become one of the most innovative malls in Europe in terms of eco-sustainability.

4,000 parking spaces were created using New Elevetor Tank, Geoplast’s permanent formwork for in situ cast concrete water storage. This allows the collection of rainwater and its later use for irrigation and fire systems.



REFERENCES

GEOCELL - MARANA OBSERVATORY TERRACE, VICENZA, ITALY

The drainage of the pedestrian terrace of the Marana Observatory was created with Geocell, our product designed specifically for horizontal drainage. In case of heavy rain, the water is evacuated in a very short time, avoiding damages on the flooring.



GEOCELL - MARANA OBSERVATORY TERRACE, VICENZA, ITALY

The Geocell panels were laid directly on the waterproofing membrane, and then covered with a geotextile 300g/m². Finally, the concrete pavers were laid.



LANDSCAPING

ELEVATOR ROOT



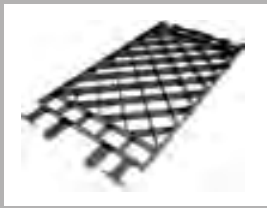
ROOTBOX



COMPLETA



GEOROAD



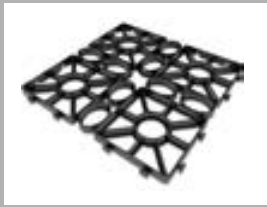
GEOGRAVEL



RAINWATER BUTTS



GEOFLOOR

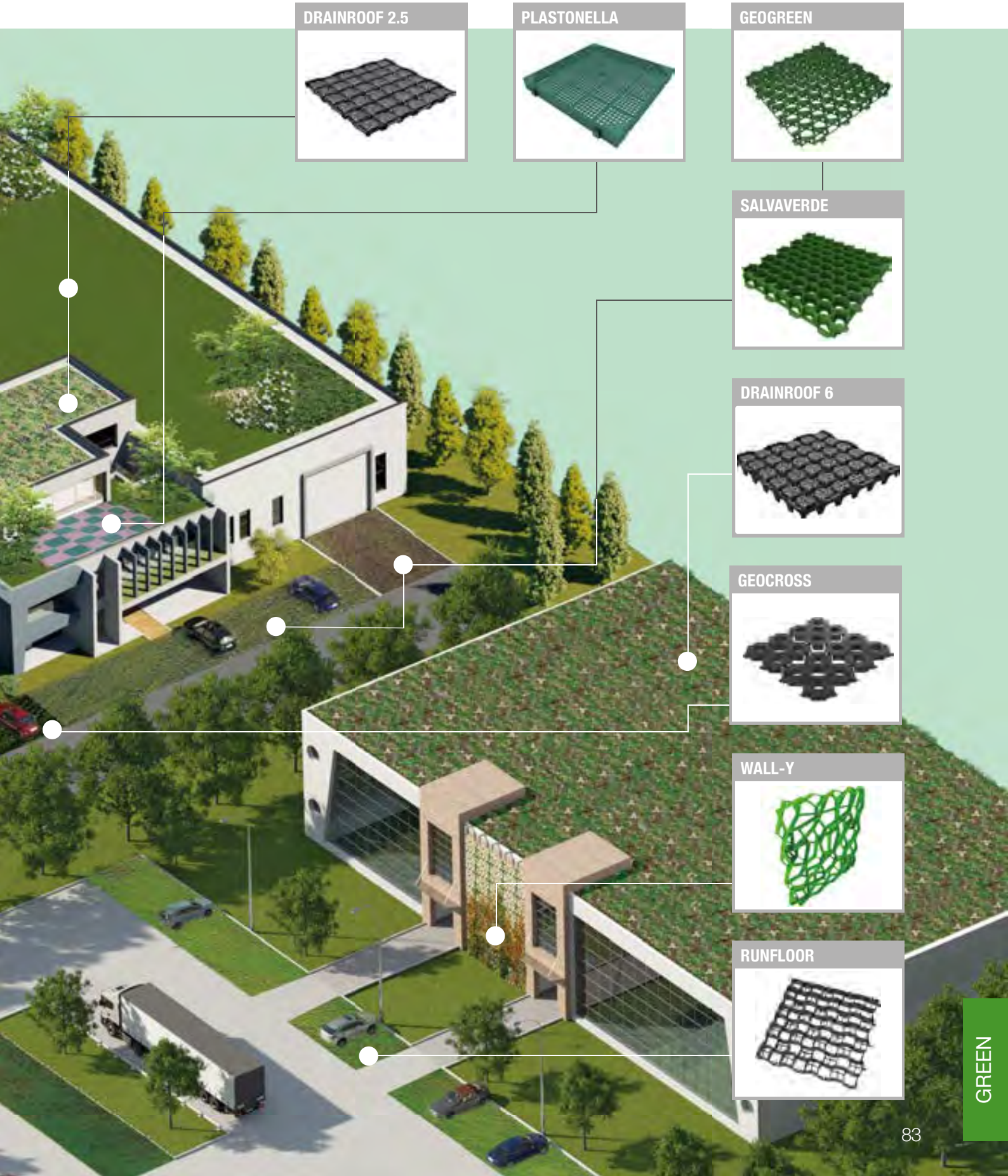


GEOGRASS

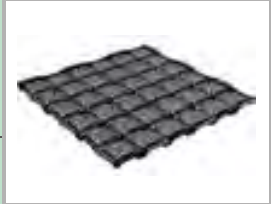


The Geoplast Green & Landscaping Division was created with the aim of offering landscape professionals a range of solutions capable of increasing the well-being of people. The focus is on ensuring comfort and meeting the needs deriving from

urbanisation of the territory while maintaining soil permeability and promoting the presence of green in our cities. The latter is extremely important since it absorbs the harmful gases of the atmosphere-such as CO²- and it mitigates urban heat islands.



DRAINROOF 2.5



PLASTONELLA



GEOGREEN



SALVAVERDE



DRAINROOF 6



GEOCROSS



WALL-Y

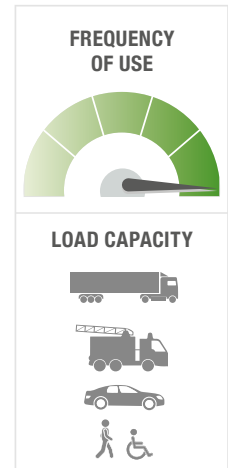
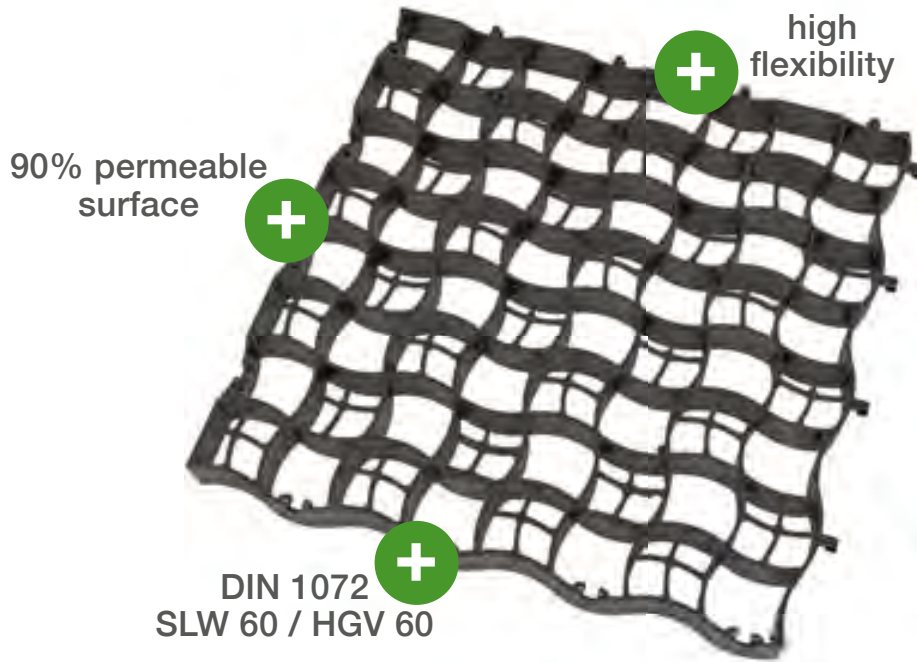


RUNFLOOR



RUNFLOOR

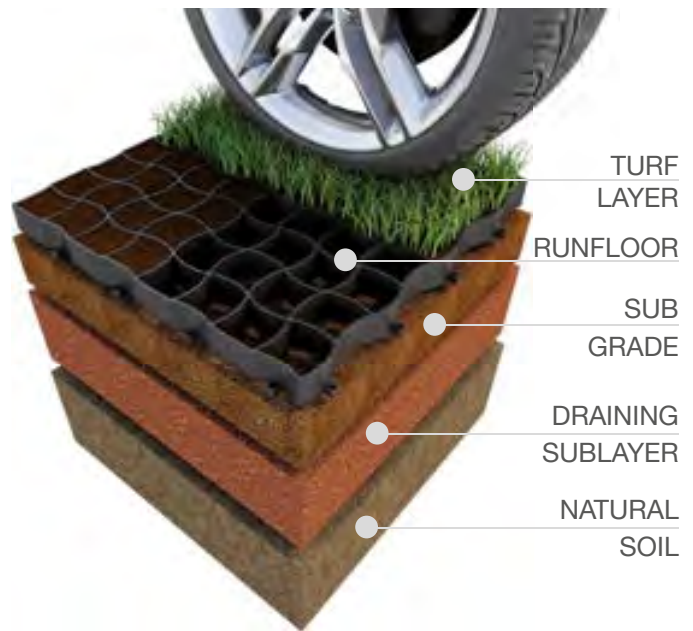
HIGH STRENGTH GRID FOR DRIVEWAYS AND PERMEABLE AREAS



- ✓ CAMPER VAN PARKING AREAS
- ✓ HIGH FREQUENCY CAR PARKS
- ✓ HEAVY GOODS VEHICLES PASSAGE AND PARKING
- ✓ FIRE-FIGHTER ACCESS
- ✓ PRIVATE PARKING AREAS
- ✓ BOAT RAMPS



IDEAL FOR THE REALIZATION OF TURFED DRAINING SURFACES FOR HIGH RESISTANCE PARKINGS AND TRANSIT AREAS. IT ENSURES FUNCTIONALITY AND PERFORMANCE WHILE MAINTAINING THE SOIL NATURAL DRAINING CAPACITY.



PALLET	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
F03: 100 m ²	F03: 2200 m ²	F03: 757 m ²	F03: 2050 m ²
F04: 76 m ²	F04: 1672 m ²	F04: 576 m ²	F04: 1520 m ²
F05: 60 m ²	F05: 1320 m ²	F05: 468 m ²	F05: 1226 m ²
H04: 50 m	H04: 1598 m ²	H04: 550 m ²	H04: 1280 m ²
H05: 45 m ²	H05: 1438 m ²	H05: 460 m ²	H05: 1187 m ²
S05: 45 m ²	H05: 1438 m ²	S05: 460 m ²	S05: 1187 m ²



HIGH RESISTANCE TO LOADS



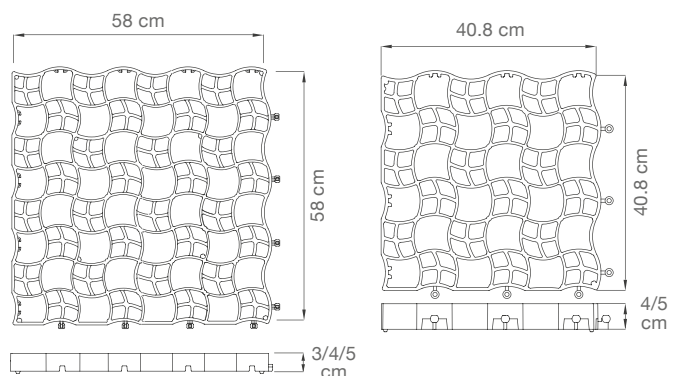
PERMEABLE



STABLE

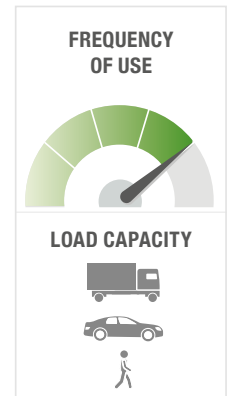
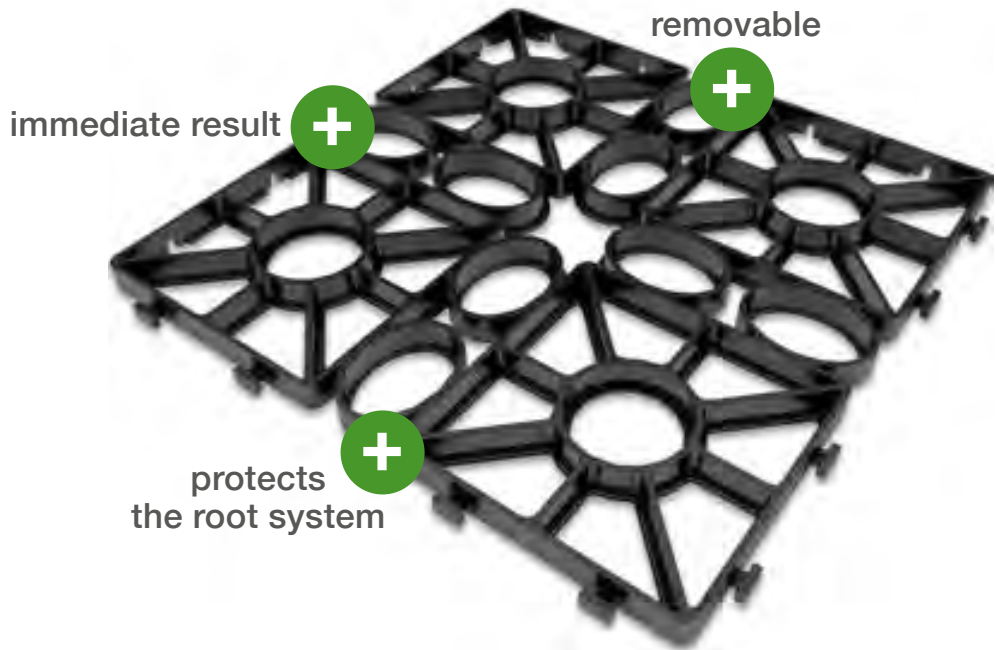
TECHNICAL DATA

	F03	F04	F05	H04	H05	S05
Dimensions (cm)	58 x 58 x H3-4-5			40.8 x 40.8 x H4-5		
Piece weight (kg)	1.29	1.67	1.92	0.76	0.90	1.19
Material	Gralene LD (Recycled Polyethylene Compound)					
Colour	Black / Green			Black		
Load capacity (t/m ²)	400	400	500	400	500	600
Permeability	89%			84%	84%	83%
Packaging dim. (cm)	120 x 120			85 x 125		
	H240	H242	H240	H220	H235	H235
No. of pieces per pallet	300	228	180	300	270	270
m ² per pallet	100	76	60	50	45	45



GEOFLO

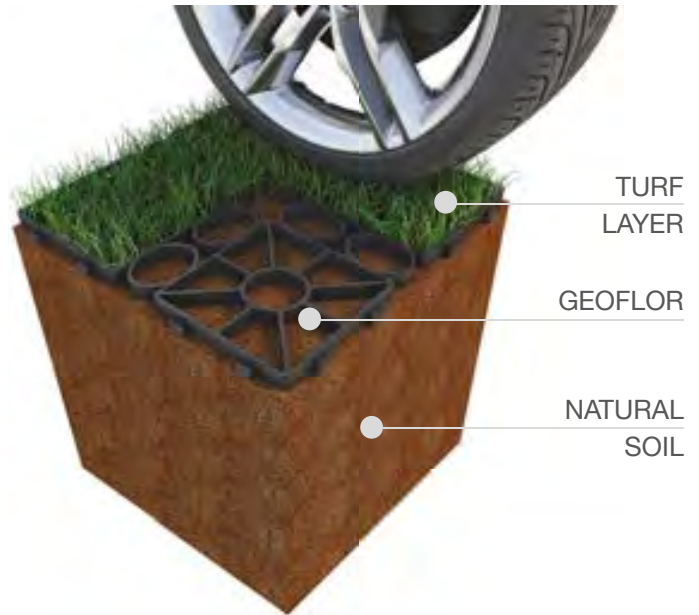
GRID FOR THE PROTECTION OF EXISTING LAWNS







- ✓ **PARKING ON EXISTING LAWN**
- ✓ **GRASS PROTECTION FOR TEMPORARY EVENTS**
- ✓ **PARKING ON LAWN ROLLS**
- ✓ **AREAS FOR PRIVATE PARKING AND CAR TRANSIT**
- ✓ **HIGH RESISTANCE AREAS FOR TRANSIT AND PARKING**



**LOW-DENSITY RECYCLED
POLYETHYLENE GRID SUITABLE
FOR TRANSFORMING FINISHED LAWNS
INTO CAR PARKS, DRIVEWAYS
OR PEDESTRIAN AREAS.
IT DISTRIBUTES LOADS AND
PREVENTS STAGNATING WATER.**



PALLET cm 120 x 120	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
100 m²	2600 m²	1060 m²	2460 m²
			



UV RAY-STABLE



DRIVEABLE

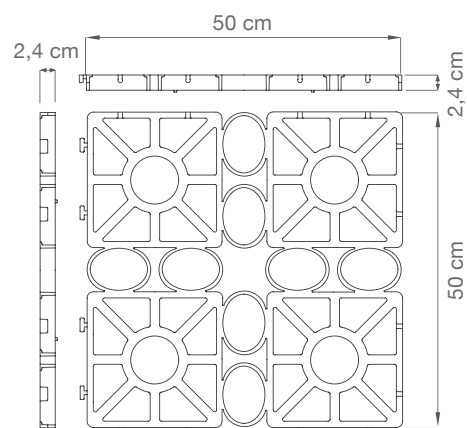


MULTI PURPOSE



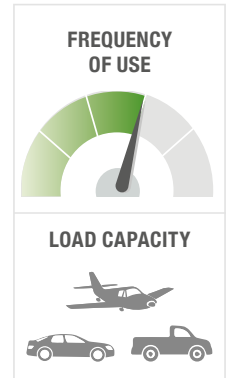
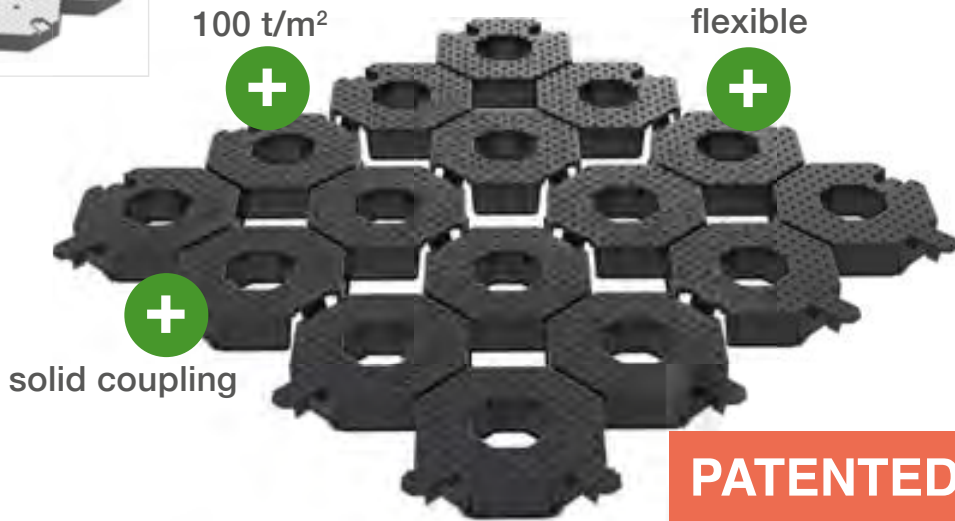
TECHNICAL DATA

Dimensions (cm)	50 x 50 x H2.4
Piece weight (kg)	1.01
Material	Gralene LD (Recycled Polyethylene Compound)
Colour	Black
Load capacity (t/m ²)	100
Permeability	95%
Packaging dim. (cm)	100 x 112 x H230
No. of pieces per pallet	400
m ² per pallet	100



GEOCROSS

AIRFIELD SURFACES AND CAR PARKS ON SOFT SOILS



- ✓ **ULTRALIGHT TAKE-OFF RUNWAYS**
- ✓ **LEISURE FLIGHTS**





- ✓ **ACCESS TO SERVICE VEHICLES**
- ✓ **AIRFIELD RUNWAYS**

- ✓ **TRANSIT AREAS**



GEOCROSS IS A PAVING GRID MADE OF RECYCLED PLASTIC FOR BUILDING AIRSTRIPS AND DRIVEABLE SURFACES. IT ENSURES STABILISATION AND SUPPORT OF EXISTING GRASS SURFACES AND IT IS INSTALLED SIMPLY, WITHOUT THE NEED FOR EXCAVATIONS AND SIMPLY ROLLING INTO THE GROUND.



PALLET cm 120 x 120	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
86 m²	2080 m²	651 m²	1620 m²
			



**NON-SLIP
SURFACE AREA**



**HIGH LOAD-BEARING
CAPACITY**



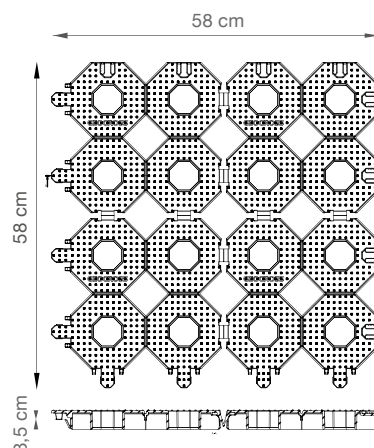
**STABILISED
TERRAIN**



TECHNICAL DATA

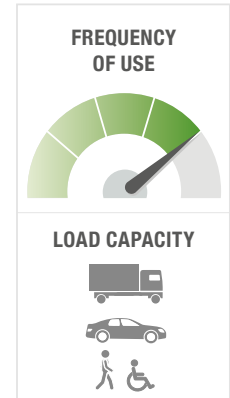
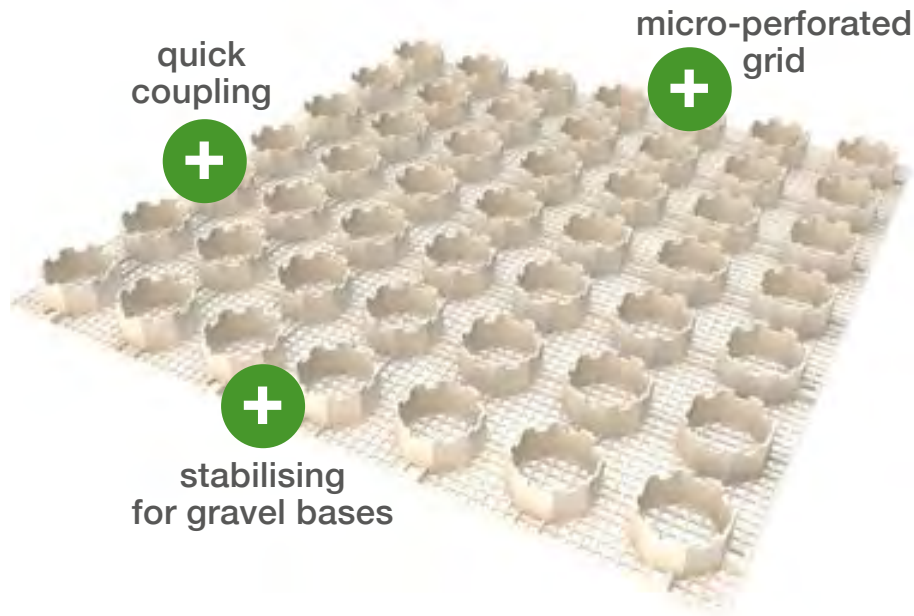
Dimensions (cm)	58 x 58 x H3.5
Piece weight (kg)	1.50
Material	Gralene HD (Recycled Polyethylene Compound)
Colour	Black
Load capacity (t/m ²) (filled grid)	100*
Permeability	40%
Packaging dim. (cm)	120 x 120 x H240
No. of pieces per pallet	260
m ² per pallet	86

* The soil strength and condition may significantly affect the overall performance of the system.



GEOGRAVEL

GRID FOR CONSOLIDATION OF GRAVEL SURFACES



✓ **PARKING AREAS AND DRIVEWAYS**

✓ **ACCESS AREAS FOR PEOPLE WITH DISABILITIES**

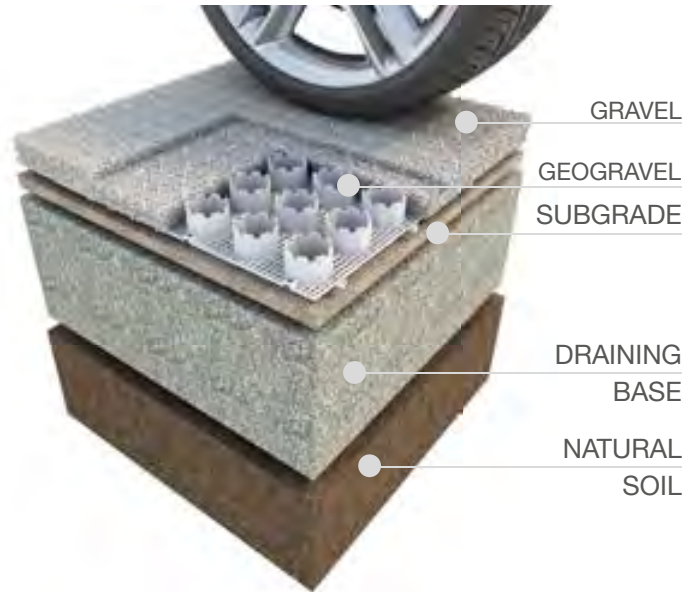
✓ **PRIVATE AREAS**





✓ **WALKWAYS**

✓ **CYCLE PATHS**



**IDEAL FOR THE STABILIZATION
OF DRAINING SURFACES IN GRAVEL.
IT MAINTAINS THE DRAINING CAPACITY
OF THE GROUND, IMPROVING
ACCESS FOR WHEELED VEHICLES,
INCLUDING BICYCLES AND WHEELCHAIRS.**



PALLET cm 120 x 120	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
100 m²	2200 m²	757 m²	2050 m²
			



RESISTANT



PERMEABLE

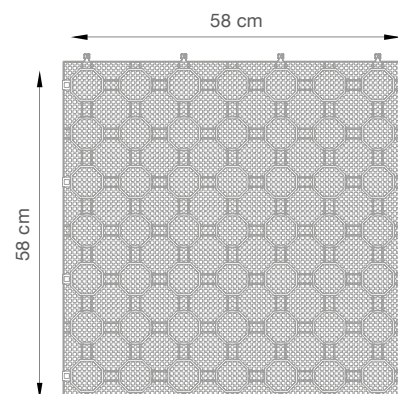


**SUB SOIL
STABILITY**



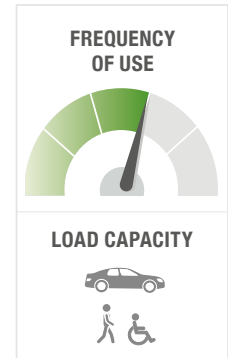
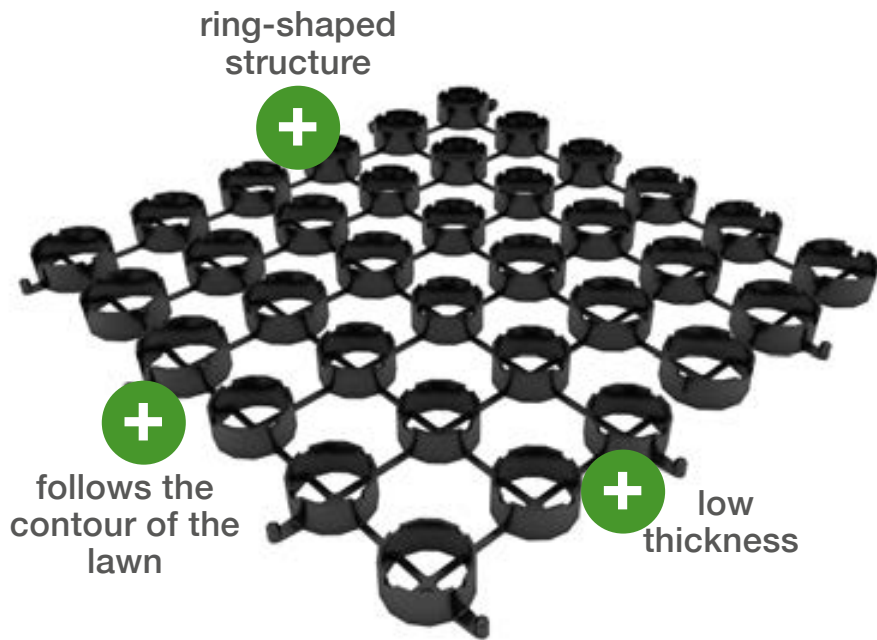
TECHNICAL DATA

Dimensions (cm)	58 x 58 x H3
Piece weight (kg)	0.85
Material	Gralene HDVN (Polyethylene Compound)
Colour	White - Black
Load capacity (t/m ²) (filled grid)	500
Permeability	61%
Packaging dim. (cm)	120 x 120 x H240
No. of pieces per pallet	300
m ² per pallet	100



GEOGRASS

GRID FOR LAWN CONSOLIDATION



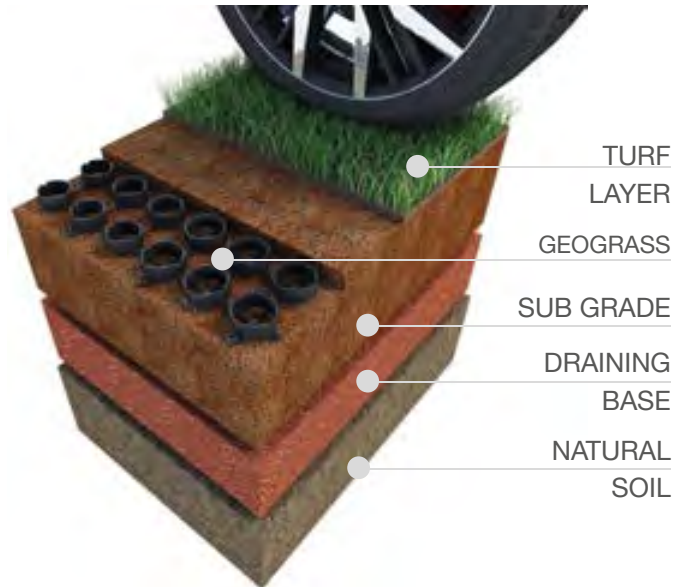
✓ **CARPARKS AND PARKING AREAS**





✓ **AREAS FOR THE MANOEUVRE OR TRANSIT OF VEHICLES**

✓ **PEDESTRIAN AREAS AND WALKWAYS**



**GRID IN RECYCLED PLASTIC POLYMER,
FOR THE CREATION OF GRASSED,
DRAINING SURFACES USED FOR
PARKING AND VEHICLE TRANSIT.**



PALLET cm 120 x 120	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
200 m²	5200 m²	2079 m²	4675 m²
			



ELASTIC



RESISTANT

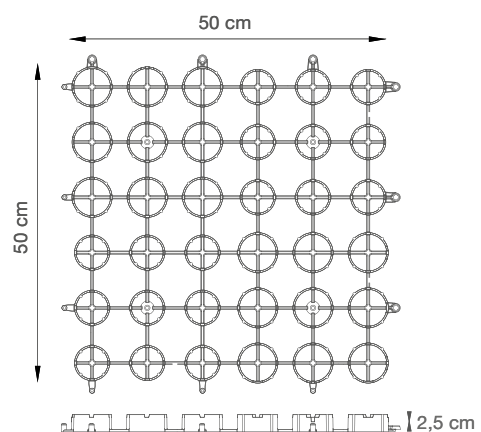


**IDEAL FOR
LAWN ROLLS**



TECHNICAL DATA

Dimensions (cm)	50 x 50 x H2.5
Piece weight (kg)	0.47
Material	Gralene HD (Recycled Polyethylene Compound)
Colour	Black
Load capacity (t/m ²) (filled grid)	400
Permeability	99%
Packaging dim. (cm)	100 x 120 x H240
No. of pieces per pallet	800
m ² per pallet	200



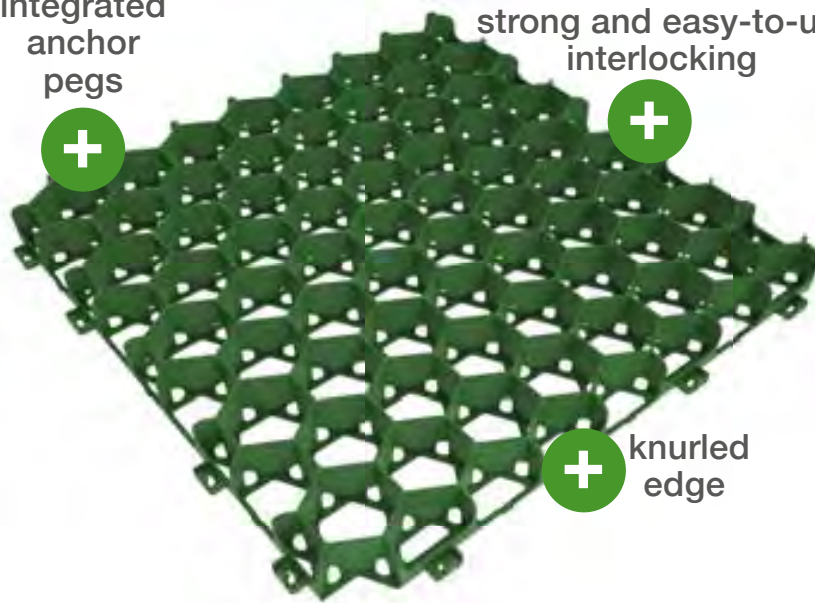
GEOGREEN

TURFED SURFACE FOR DRIVEWAYS AND PARKING AREAS

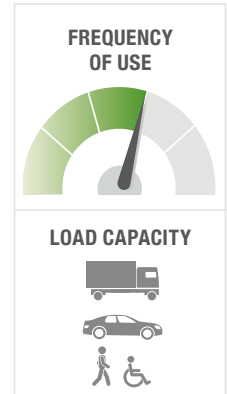
integrated anchor pegs



strong and easy-to-use interlocking



knurled edge



✓ GREEN PARKING AREAS

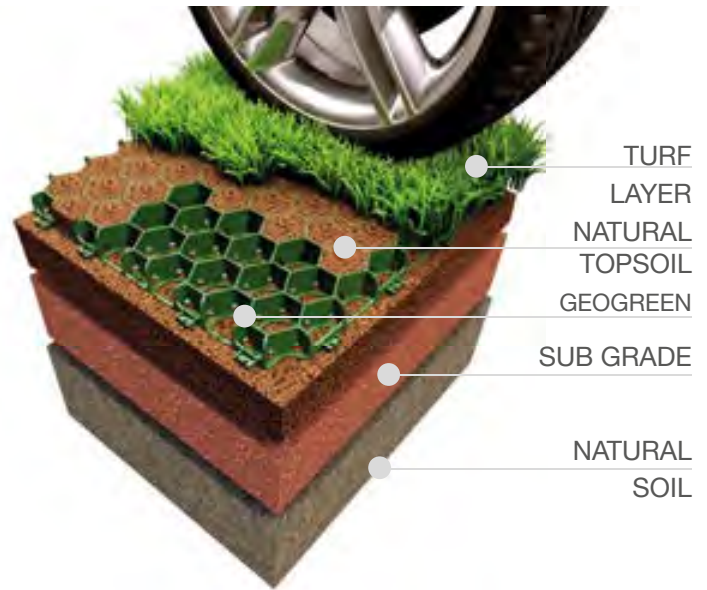
✓ REQUALIFICATION OF DRIVEABLE GREEN AREAS



✓ GREEN STOP AREAS

✓ GREEN WALKWAYS



**GRID IN HIGH-DENSITY
RECYCLED PLASTIC
FOR THE CONSTRUCTION
OF DRIVEABLE LAWNS.
THE HONEYCOMB STRUCTURE
OF THE CELLS ALLOWS
THE GROWING OF TURF.**



PALLET cm 120 x 120	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
60 m²	1560 m²	580 m²	1260 m²
			



RESISTANT



PERMEABLE

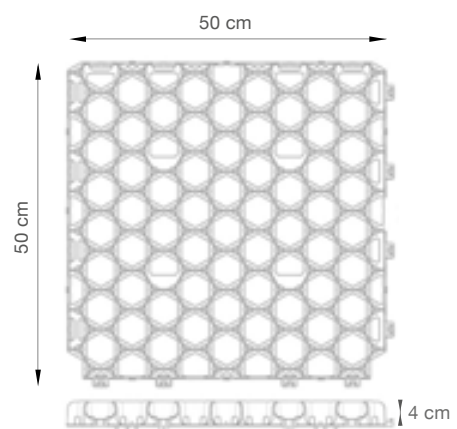


STABLE



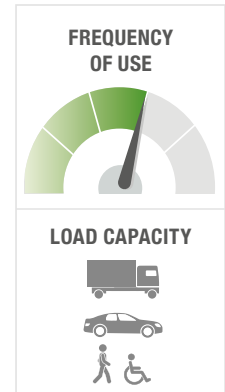
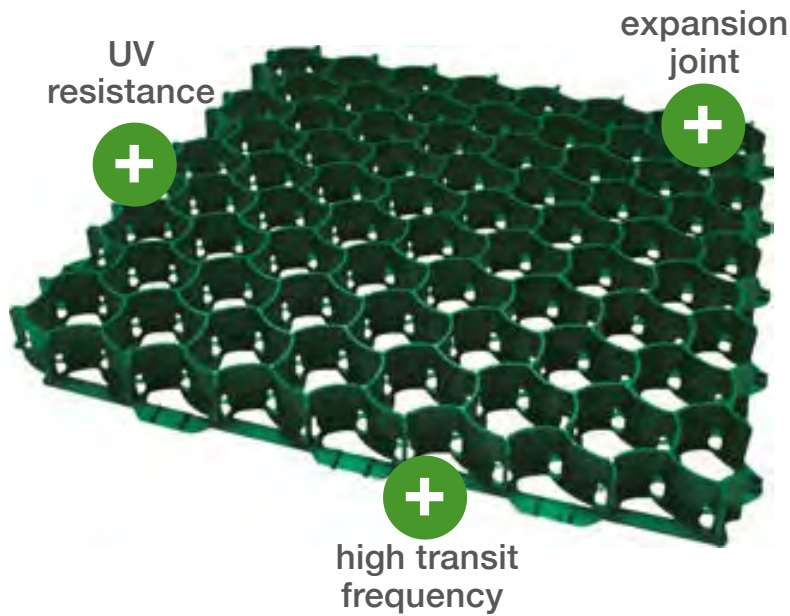
TECHNICAL DATA

Dimensions (cm)	50 x 50 x H4
Piece weight (kg)	0.88
Material	Gralene HD (Recycled Polyethylene Compound)
Colour	Green - Grey - Black
Load capacity (t/m ²) (filled grid)	350
Permeability	95%
Packaging dim. (cm)	100 x 120 x H230
No. of pieces per pallet	240
m ² per pallet	60



SALVAVERDE

GRID FOR WALKABLE AND DRIVABLE GREEN AREAS



✓ ACCESS SURFACES FOR VEHICLES

✓ WALKWAYS

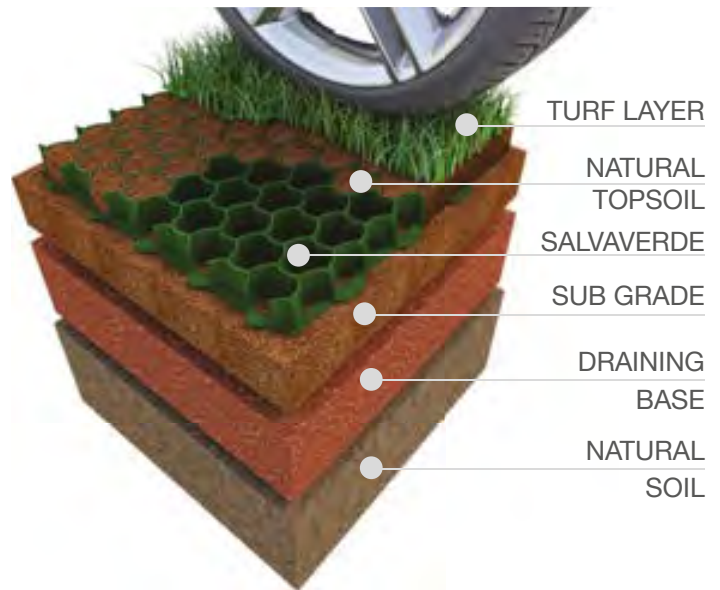
✓ PARKING AREAS





✓ CYCLE PATHS



**GRID FOR THE COMPLETE PROTECTION
OF THE TURF LAYER.**

**IT IS IDEAL TO CREATE GREEN
DRIVEWAYS, CARPARKS AND WALWAYS.**



PALLET cm 120 x 120	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
SALVAVERDE A 60 m ²	SALVAVERDE A 1560 m ²	SALVAVERDE A 580 m ²	SALVAVERDE A 1260 m ²
SALVAVERDE B 75 m ²	SALVAVERDE B 1650 m ²	SALVAVERDE B 630 m ²	SALVAVERDE B 1495 m ²
			



RESISTANT



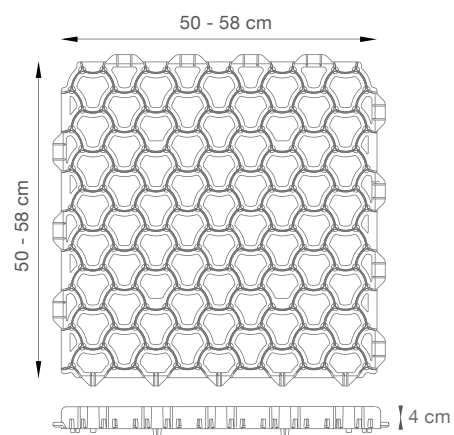
PERMEABLE



STABLE

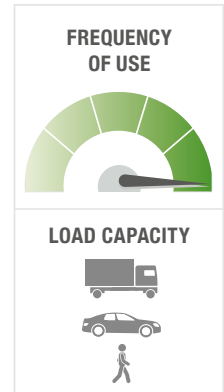
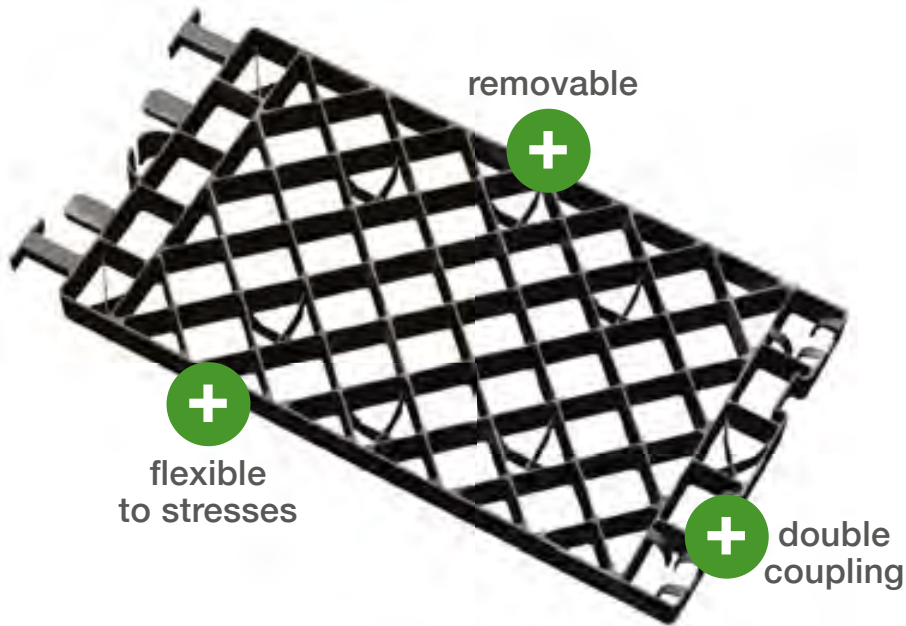
TECHNICAL DATA

	SALVAVERDE A	SALVAVERDE B
Dimensions (cm)	50 x 50 x H4	58 x 58 x H4
Piece weight (kg)	0.92	1.22
Material	Gralene HD (Recycled Polyethylene Compound)	
Colour	Green - Grey	Green - Grey
Load capacity (t/m ²) (filled grid)	350	350
Permeability	95%	95%
Packaging dim. (cm)	100 x 120 x H230	100 x 120 x H240
No. of pieces per pallet	240	225
m ² per pallet	60	75



GEOROAD

GRID FOR THE CONSOLIDATION OF ROAD EDGES



✓ **ROUNABOUT EDGES**

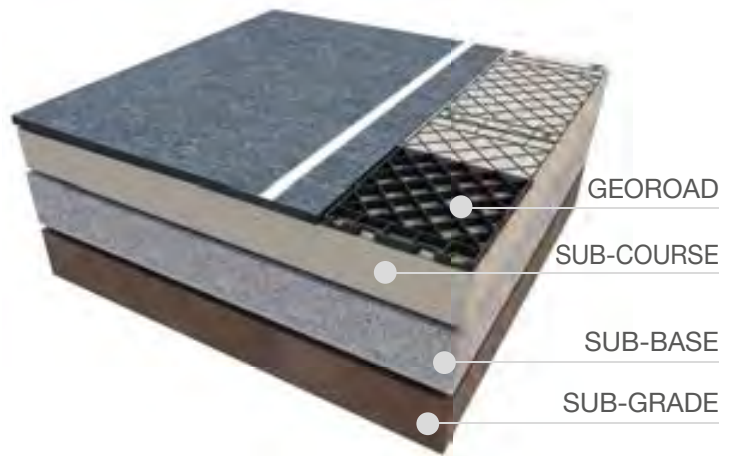
✓ **ROAD BANKS**





✓ **SERVICE LANES**

✓ **CYCLE PATHS**



**GRID IN RECYCLED POLYETHYLENE
FOR CONSOLIDATION OF ROAD BANKS.
THE RHOMBOID STRUCTURE
SIGNIFICANTLY REDUCES THE LATERAL
THRUSTS CAUSED BY
THE TRANSITING OF VEHICLES.**



PALLET cm 83 x 120	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
74,85 m²	2395 m²	1042 m²	2050 m²
			



ELASTIC



EASY TO HANDLE

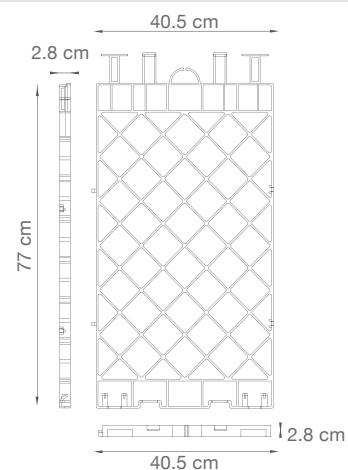


**MAXIMUM
LOAD-BEARING
CAPACITY**



TECHNICAL DATA

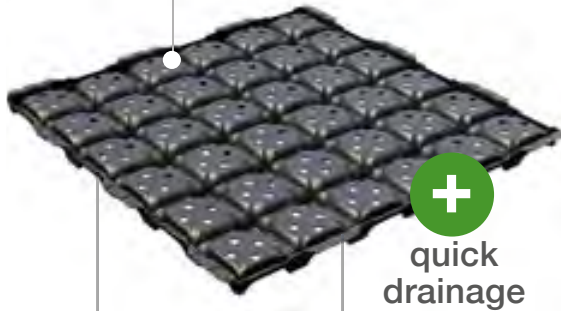
Dimensions (cm)	77 x 40,5 x H2,8
Piece weight (kg)	1.16
Material	Gralene LD (Recycled Polyethylene Compound)
Colour	Nero
Load capacity (t/m ²) (filled grid)	500
Permeability	95%
Packaging dim. (cm)	83 x 120 x H240
No. of pieces per pallet	240
m ² per pallet	74.85



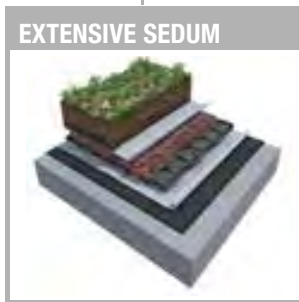
DRAINROOF

GREEN ROOF DRAINAGE PANEL

DRAINROOF H2,5



DRAINROOF H6







✓ **INTENSIVE AND EXTENSIVE ROOF GARDENS**



DRAINROOF IS THE SYSTEM OF DRAINAGE AND ACCUMULATION FOR EXTENSIVE SEDUM GREEN ROOFS. IT IS SPECIFICALLY DESIGNED FOR A SAFE INSTALLATION WHICH DOES NOT DAMAGE THE WATERPROOFING SYSTEM AND GUARANTEES GROWTH OF THE VEGETATION.

PERFORMANCES	ESXTENSIVE SEDUM	ESXTENSIVE SEDUM PLUS	SEMI INTENSIVE	INTENSIVE
Substrate thickness (cm)	8	8	15	20
System thickness (cm)	12	16	20	28
Height of vegetation (cm)	6-12	6-12	10-20	15-90
Weight saturated (kg/m ²)	120	130	160-180	> 200
Water accumulation capacity (l/m ²)	35-40	40-50	70	100
Outflow coefficient	0.45	0.45	0.3	0.20-0.25


PALLET cm 105 x 120	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
DRAINROOF H2.5 360 m ²	DRAINROOF H2.5 8640 m ²	DRAINROOF H2.5 3500 m ²	DRAINROOF H2.5 8400 m ²
DRAINROOF H6 180 m ²	DRAINROOF H6 4320 m ²	DRAINROOF H6 1680 m ²	DRAINROOF H6 4300 m ²
			



**FAST
INSTALLATION**



**THERMAL
INSULATION**

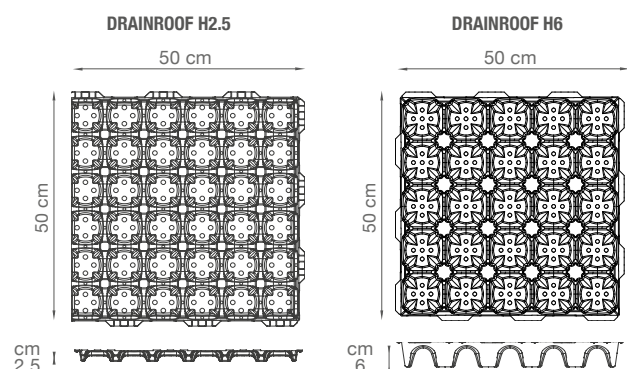


**WATER
DRAINAGE**



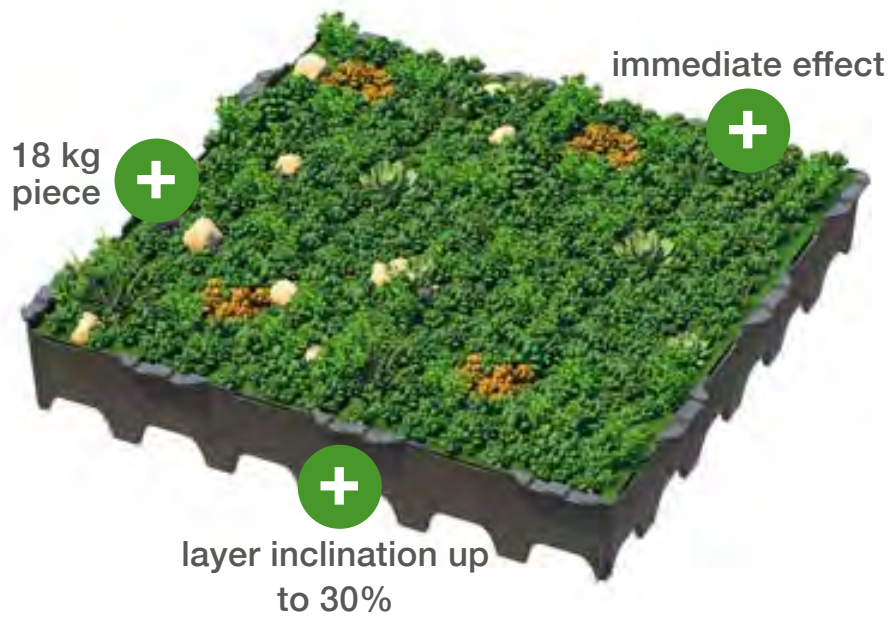
TECHNICAL DATA

	DRAINROOF H2.5	DRAINROOF H6
Dimensions (cm)	50 x 50 x H2.5	50 x 50 x H6
Piece weight (kg)	0.54	0.84
Material	Graplene (Recycled Polypropylene Compound)	
Colour	Black	Black
Water reserve (L)	1.32	7.0
Compression resistance (t/m ²)	3.2	6.0
Packaging dim. (cm)	105 x 120 x H230	105 x 120 x H240
No. of pieces per pallet	1440	720
m ² per pallet	360	180



COMPLETA

MODULAR PRE-VEGETATED SEDUM TRAY



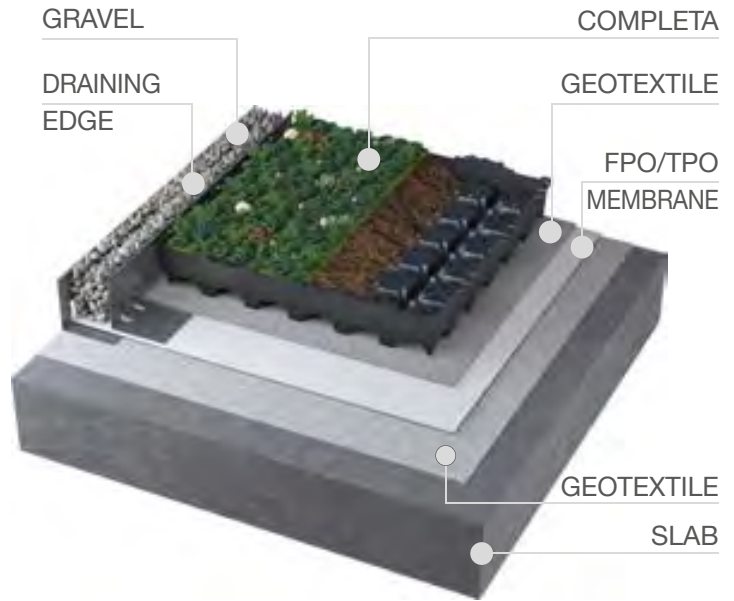
✓ TERRACES
✓ GARAGES





✓ SCHOOL BUILDINGS
✓ SUPERMARKETS

✓ RETAIL AND MEGASTORE



**PRE-VEGETATED SYSTEM
FOR THE CREATION OF
EXTENSIVE GREEN ROOFS IN SEDUM.
IT ENSURES THE ACCUMULATION
AND THE DRAINAGE
OF RAINWATER WHILE
SLOWING DOWN
THE OUTFLOW (RUN OFF).**



PALLET	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
COMPLETA H9 209 m ²	COMPLETA H9 5016 m ²	COMPLETA H9 1650 m ²	COMPLETA H9 4000 m ²
COMPLETA H10 168 m ²	COMPLETA H10 5040 m ²	COMPLETA H10 1580 m ²	COMPLETA H10 3920 m ²
			



MODULAR



DIY

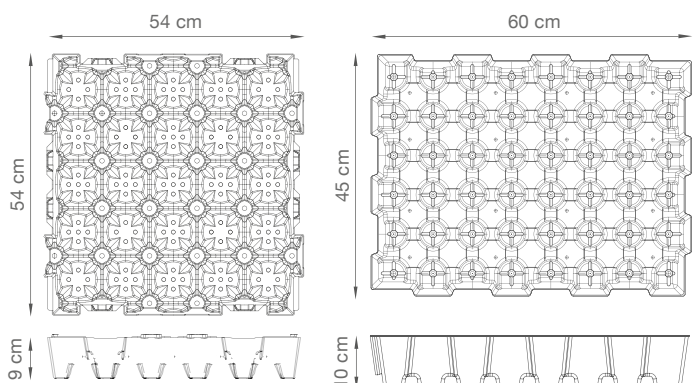


LOW
MAINTENANCE



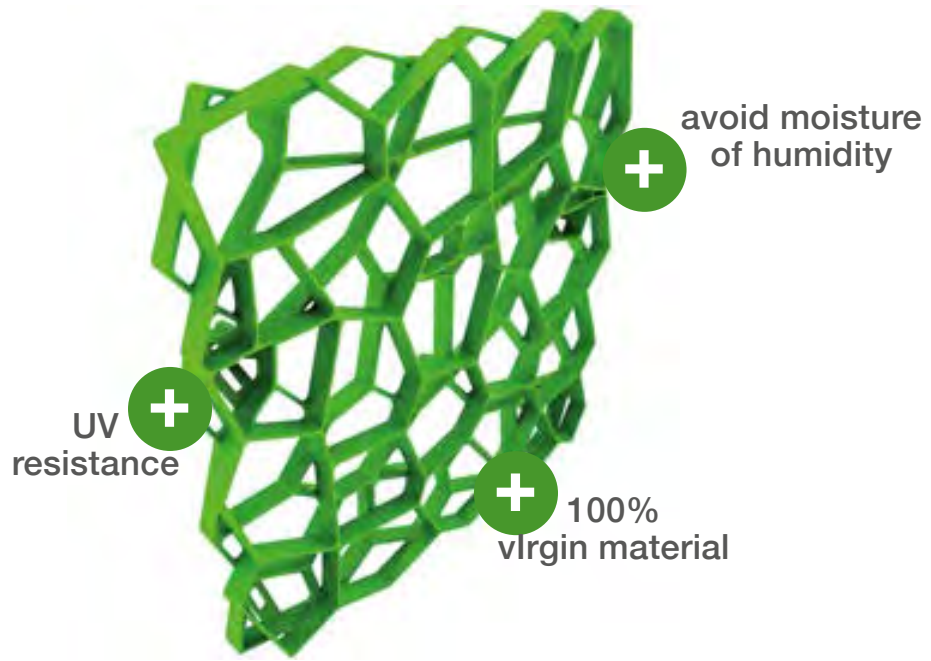
TECHNICAL DATA

	COMPLETA H9	COMPLETA H10
Dimensions (cm)	54 x 54 x H9	45 x 60 x H10
Piece weight (kg)	1.02	1.03
Material	Graplene (Recycled Polypropylene Compound)	
Colour	Nero	Nero
Water reserve (L)	20	30
Compression resistance (t/m ²)	6	6
Packaging dim. (cm)	110 x 125 x H240	90 x 120 x H240
No. of pieces per pallet	720	640
m ² per pallet	209	168



WALL-Y

GRID FOR THE CREATION OF VERTICAL GREEN WALLS



✓ WALLS AND VERTICAL GREEN

✓ POT CLIMBING PLANTS

✓ INTERIOR SPACE SCREENS




✓ GREEN SPACES DIVIDERS

✓ DECORATIVE ELEMENT FOR WALLS



ELEMENT OF DESIGN,
 DESIGNED FOR THE CREATION
 OF GREEN VERTICAL WALLS.
 RESISTANT TO WEATHER.
 IT IMPROVES THE ENERGY
 PERFORMANCES OF BUILDINGS
 AND IT MAKES THEM MORE
 PLEASANT AESTHETICALLY.



PALLET cm 83 x 120	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
60 m²	1320 m²	459 m²	1100 m²
			



MODULAR



FURNISHING
ELEMENT

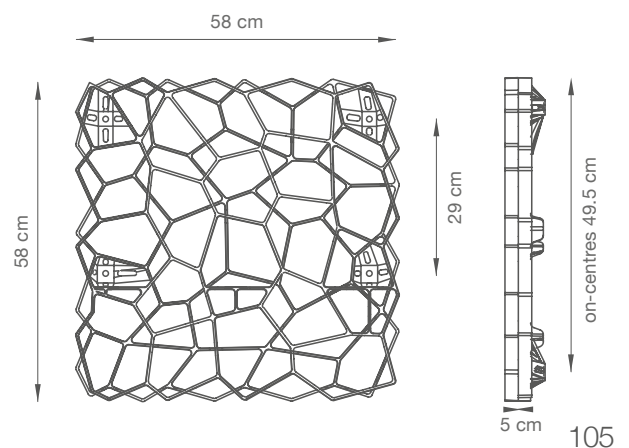


ENERGY HIGH
EFFICIENCY



TECHNICAL DATA

Dimensions (cm)	58 x 58 x H7.5
Piece weight (kg)	1.47
Material	Gralene HDVN (Polyethylene Compound)
Colour	Green - White
Wall thicknesses (cm)	0.5
Fixing dowels / grid	4x Ø8 mm
Packaging dim. (cm)	120 x 120 x H240
Number of pieces	180
m ² per pallet	60



ELEVATOR ROOT

HIGH LOAD-BEARING SOIL CELL FOR THE HOUSING OF TREES AND VEGETATION



✓ ROADSIDE TREES





✓ SQUARES AND PAVEMENTS

✓ CYCLE PATHS



THE ELEVATOR ROOT PERMANENT FORMWORK ALLOWS TO CREATE GREEN AREAS IN URBAN CONTEXT BY PROTECTING THE ROOT SYSTEM OF TREES AND BUSHES. THE ASSEMBLED SYSTEM FORMS A SERIES OF DOMES AND PILLARS IN CONCRETE WHICH CAN SUPPORT HIGH LOADS, EVEN TRAFFIC RELATED.



PALLET cm 110 x 125	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
75 m²	5040 m²	1600 m²	4000 m²
			



**PREVENTS SOIL
COMPACTION**



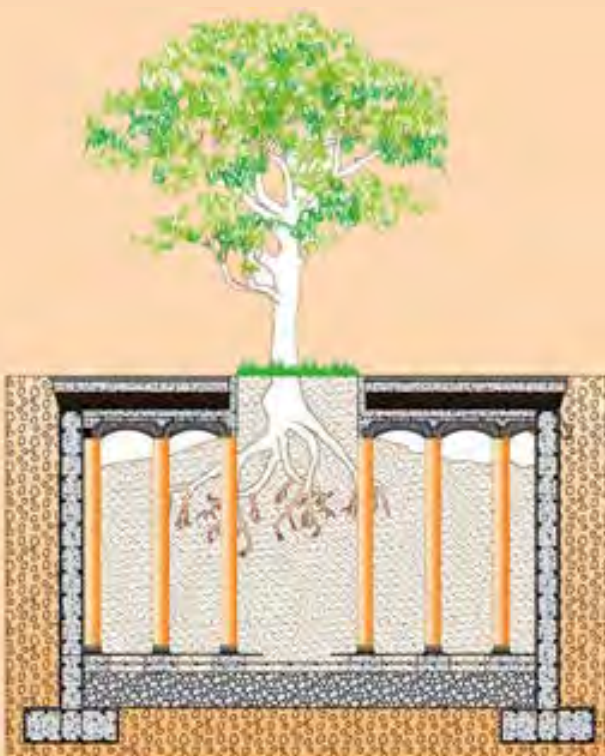
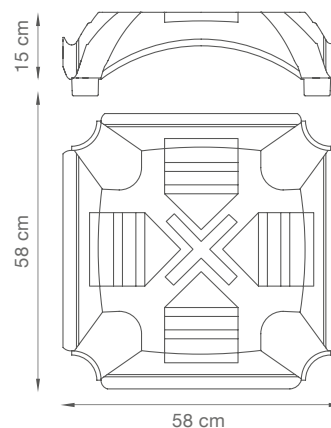
**IMPROVES THE
LIFE OF THE TREE**



**HIGHLOAD
CAPACITY**

TECHNICAL DATA

Dimensions (cm)	58 x 58 x H15
Piece weight (kg)	1.43
Material	Graplene (Recycled Polypropylene Compound)
Colour	Nero
Water reserve	20
Compression resistance (t/m ²)	6
Packaging dim. (cm)	120 x 120 x H265
No. of pcs. per pallet (formwork element)	225
m ² per pallet	75



ROOTBOX

TREE ROOT PROTECTION SYSTEM FOR URBAN ENVIRONMENT

NEW



 **ROADSIDE TREES**





 **SQUARES AND PAVIMENTS**

 **CYCLE PATHS**



**MODULES FOR THE PROTECTION
OF TREE ROOT SYSTEMS
IN ROAD-SIDES, AVENUES,
CYCLE PATHS AND PUBLIC SQUARES.
CHARACTERIZED BY EASE
OF INSTALLATION AND HIGH LOAD
BEARING PERFORMANCE.**



PALLET cm 80 x 152	TRUCK (13,6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
9,5 m³	212 m³	64 m³	173 m³
			



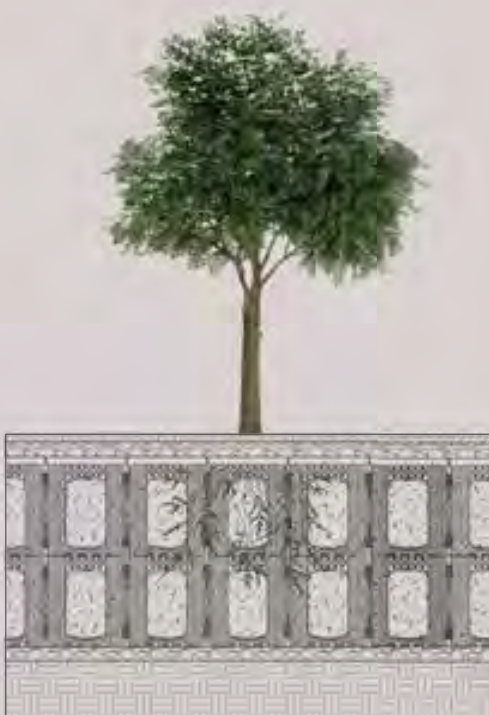
MODULAR



**HONEYCOMB
VOLUME**

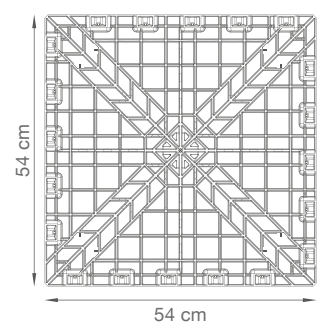
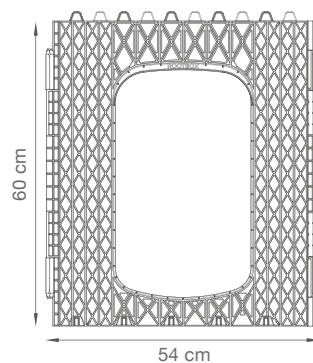


**HIGH
STRENGTH**



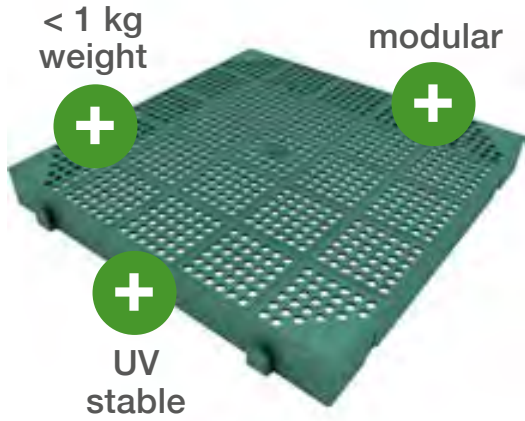
TECHNICAL DATA

	SIDE WALL	TOP GRID
Dimensions (cm)	60 x 54 x H5,2	54 x 54 x H5
Total dim. assembled (cm)	54 x 54 x H60	
Material	Graplene (Recycled Polypropylene Compound)	
Load capacity	up to SLW 60 / LGV 60	
Weight (kg)	2,15	2,85
No. of pieces per pallet	184	192
Colour	Black	
Void ratio	98%	



PLASTONELLA

DRAINING AND MODULAR OUTDOOR FLOORING



- ✓ SWIMMING POOL AND SHOWER EDGES
- ✓ CONCERTS AND EVENTS
- ✓ TERRACES AND PEDESTRIAN ROUTES



WATER BUTTS

RAINWATER BUTTS IDEAL FOR GARDENING



- ✓ RAINWATER HARVESTING



PLANTERS

CONTAINERS FOR GARDENING AND FLOWER NURSERY

PLANTERS WITH HANDLES



PLANTERS WITHOUT HANDLES



✓ FLORICULTURE AND NURSERY



DEMETRA POTS

CONTAINERS FOR GARDENING AND FLOWER NURSERY



prevents spiralsation
of the roots

✓ FLORICULTURE AND NURSERY



REFERENCES

RUNFLOOR - CAR PARK AND EXTERNAL SURFACES, LIDL, BRESCIA, ITALY

The carpark and the exterior surfaces of the supermarket were paved with Runfloor, the high-strength grid for drive-over green areas. It guarantees high holding performance and elasticity even when steering.



GEOGRAVEL - ANDRÉZIEUX-BOUTHÉON, FRANCE

Geog gravel was chosen to stabilise the gravel surfaces around this historic building. It provides comfortable access for cars and pedestrians while reducing the need of maintenance.

The aesthetics of the paths in the architectural context of the site were maintained.



REFERENCES

SALVAVERDE - HOTEL VILLA TACCHI, PADUA, ITALY

The car park at Villa Tacchi, a prestigious hotel in the province of Padua, was created with Salvaverde. It delivered an excellent performance and maintained the permeability of the grass surface while remaining virtually invisible, one of the key requirements of the project.



GEOFLOLOR - CAMPO DEI MIRACOLI, PISA, ITALY

Geoflor was installed to protect the lawn at the feet of the famous leaning tower. This allowed members of the public to take advantage of the green space without causing damage to the grass.



REFERENCES

DRAINROOF H6 - VIMAR LOGISTICS HUB, VICENZA, ITALY

Our extensive sedum package was placed on the flat roof of 7,000 m², guaranteeing excellent management of rainwater and the rapid drainage of water towards the collection wells at the same time.



DRAINROOF H6 - HOSPITAL, VENICE, ITALY

Drainroof was chosen to ensure the perfect protection of the waterproofing membrane of the roofs, the correct accumulation of water and the right drainage. The roof garden was vegetated with sedum which demonstrated excellent growth already the year after sowing.



REFERENCES

COMPLETA - COMPANY BUILDING, POLAND

A bio-architecture project in which the roof garden serves as an element of integration between the surrounding countryside and the hyper-urbanised context of the airport.



COMPLETA - SUPERMARKET, BOLOGNA, ITALY

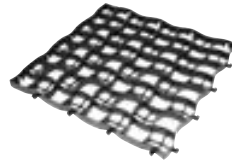
The Completa pre-vegetated tray is the quickest way to create a stable and well-rooted extensive green roof. For this reason it is a preferred choice of designers who place particular emphasis on the quality of the project.





GRIPPER

Multi-purpose surface for a variety of sports in full safety and comfort.



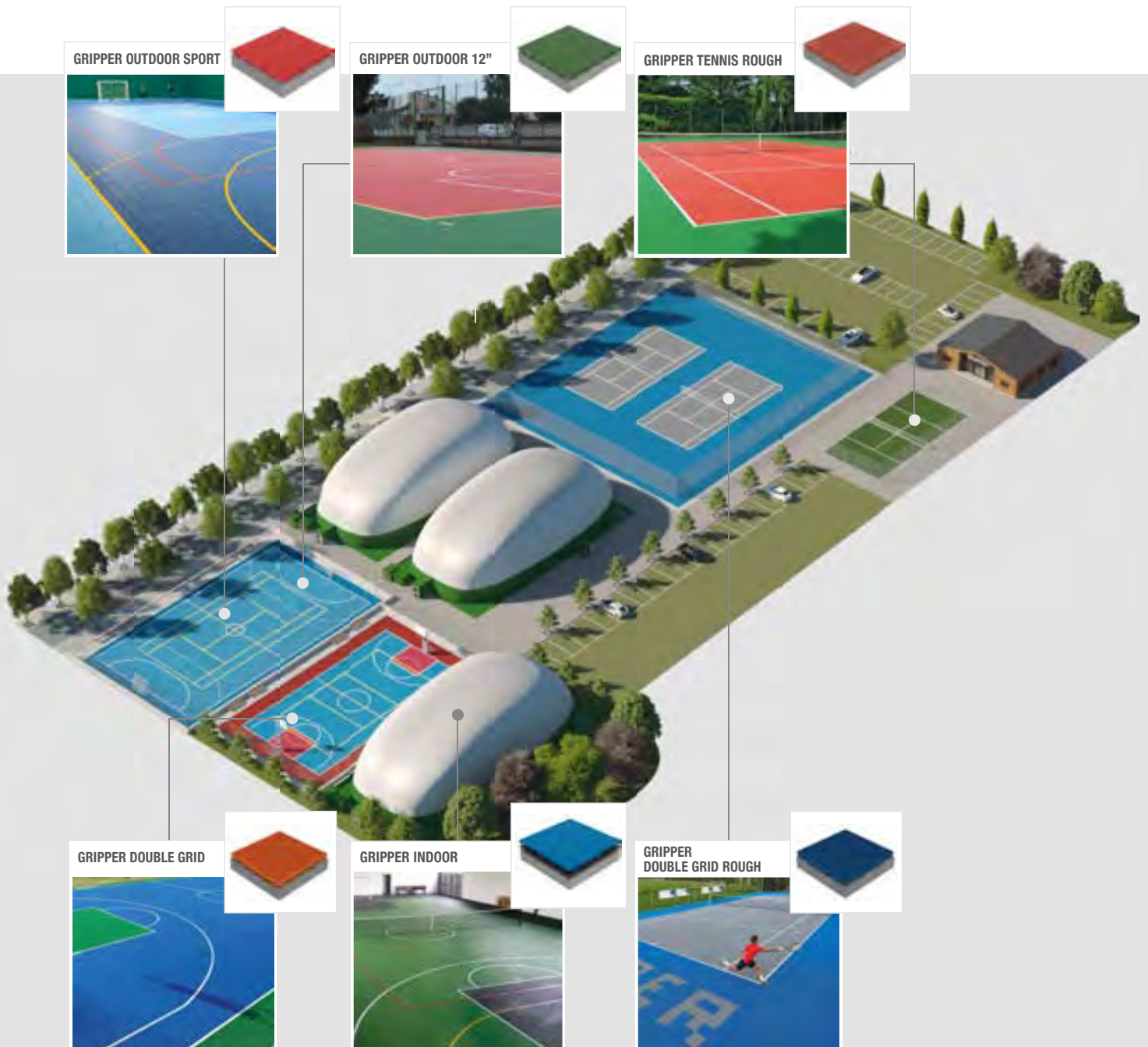
RUNFLOOR HORSES

High performance paver for the stabilisation and consolidation of equestrian ground.



GEOSKI

High performance polyethylene surface for year-round winter sports.





SPORT



We strongly believe that sport plays a fundamental role in the growth and development of a healthy society. This idea motivated us to contribute effectively with our solutions in order to make sports accessible for as many


people as possible. Use of recyclable plastic, easy and fast installation, high comfort performances, durability: these are the characteristics of each of our sport surfaces.

GEOSKI








GEOSKI TUBING



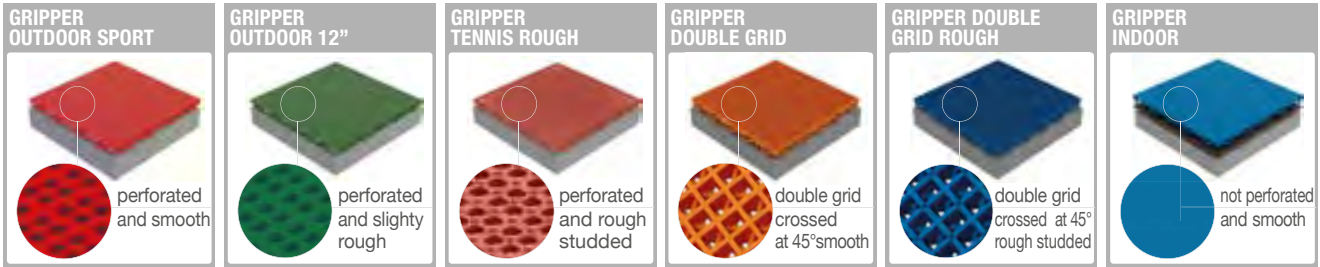
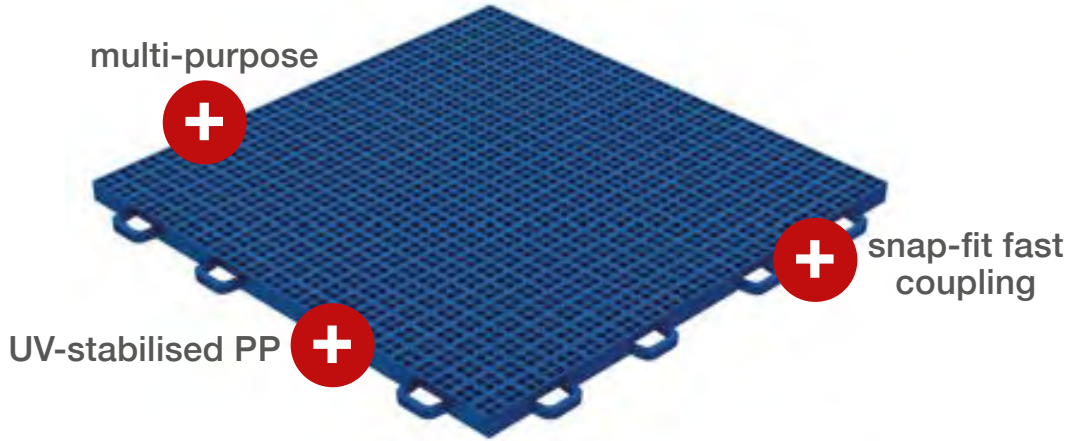
RUNFLOOR PFERDE



GRIPPER

FLOORING MADE OF RECYCLABLE PLASTIC



- | | | | | | |
|---|---|--|---|--|--|
| <ul style="list-style-type: none"> ✓ BASKETBALL ✓ 5-A-SIDE-FOOTBALL ✓ VOLLEYBALL ✓ FITNESS ✓ HANDBALL ✓ DANCING | <ul style="list-style-type: none"> ✓ BASKETBALL ✓ 5-A-SIDE-FOOTBALL ✓ TENNIS ✓ HOCKEY ✓ FITNESS ✓ HANDBALL ✓ SKATING | <ul style="list-style-type: none"> ✓ TENNIS | <ul style="list-style-type: none"> ✓ BASKETBALL ✓ 5-A-SIDE-FOOTBALL ✓ TENNIS ✓ HOCKEY ✓ VOLLEYBALL ✓ FITNESS ✓ HANDBALL ✓ SKATING | <ul style="list-style-type: none"> ✓ TENNIS | <ul style="list-style-type: none"> ✓ BASKETBALL ✓ 5-A-SIDE-FOOTBALL ✓ HOCKEY ✓ VOLLEYBALL ✓ FITNESS ✓ HANDBALL ✓ SKATING ✓ DANCING |
|---|---|--|---|--|--|



**THE GRIPPER SPORTS FLOORING
TILE IS DESIGNED
TO ENSURE SAFETY,
COMFORT AND HIGH PERFORMANCE
IN A VARIETY OF DISCIPLINES.
IT IS IDEAL FOR BOTH PERMANENT AND
TEMPORARY COURTS, OUTDOOR COURTS
AND INDOOR FACILITY FLOORING.**



EASY INSTALLATION



COMFORT

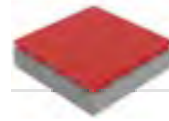


MULTI-SPORT



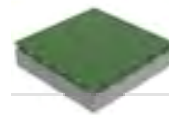
TECHNICAL DATA

Material Graplene VNP (Polypropylene Compound)



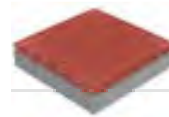
OUTDOOR SPORT

Size	25 x 25 x H 1 cm (16 pcs./ m ²)
Weight	3.04 kg/m ²
Surface finishing	Perforated and smooth
Packaging size	80 x 120 x H 170 cm - 112.5 m ²
Shock absorption	6%
Friction	65



OUTDOOR 12"

Size	30.5 x 30.5 x H 1.2 cm (10.75 pcs./ m ²)
Weight	3.76 kg/m ²
Surface finishing	Perforated slightly rough
Packaging size	100 x 120 x H 170 cm - 140 m ²
Shock absorption	10%
Friction	96



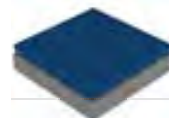
TENNIS ROUGH

Size	30.5 x 30.5 x H 1.2 cm (10.75 pcs./ m ²)
Weight	3.98 kg/m ²
Surface finishing	Perforated and rough studded
Packaging size	100 x 120 x H 170 cm - 140 m ²
Shock absorption	10%
Friction	100



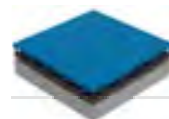
DOUBLE GRID

Size	30.5 x 30.5 x H 1.5 cm (10.75 pcs./ m ²)
Weight	3.23 kg/m ²
Surface finishing	Double grid cross at 45° smooth
Packaging size	100 x 120 x H 210 cm - 140 m ²
Shock absorption	16%
Friction	101



DOUBLE GRID ROUGH

Size	30.5 x 30.5 x H 1.5 cm (10.75 pcs./ m ²)
Weight	3.23 kg/m ²
Surface finishing	Double grid crossed at 45° rough studded
Packaging size	100 x 120 x H 210 cm - 140 m ²
Shock absorption	16%
Friction	106

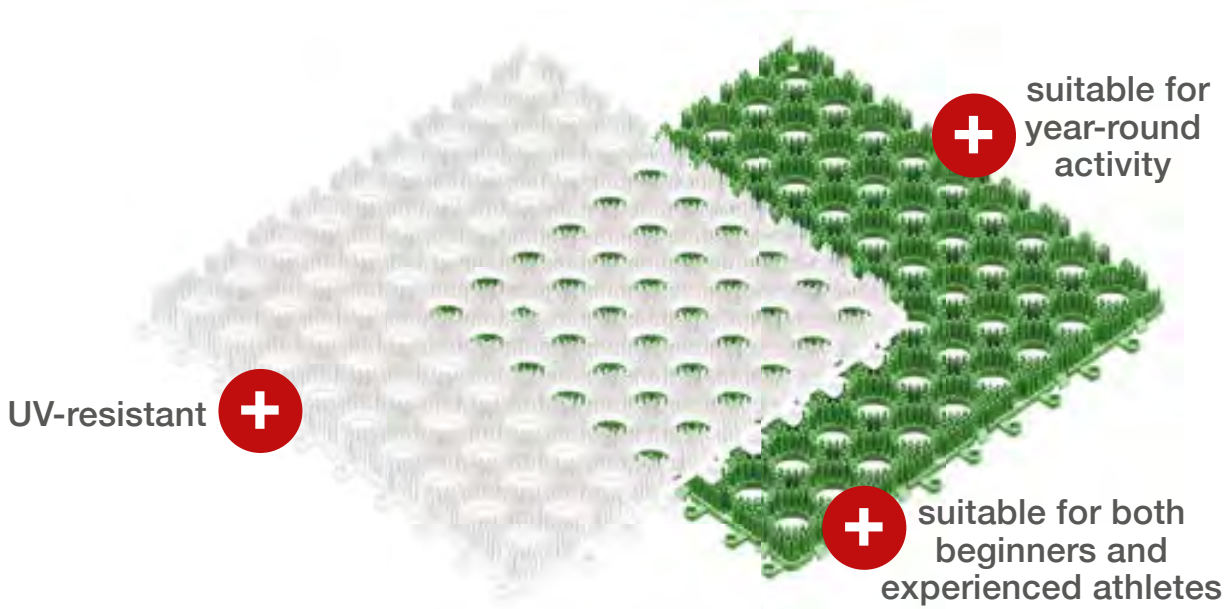


INDOOR

Size	33.3 x 33.3 x H 1 cm (9 pcs./ m ²)
Weight	4.95 kg/m ²
Surface finishing	Non perforated and smooth
Packaging size	105 x 105 x H 120 cm - 100 m ²
Shock absorption	30% with Geocomfort
Friction	82

GEOSKI

WINTER SPORT SURFACE MADE OF HIGH-PERFORMANCE POLYETHYLENE



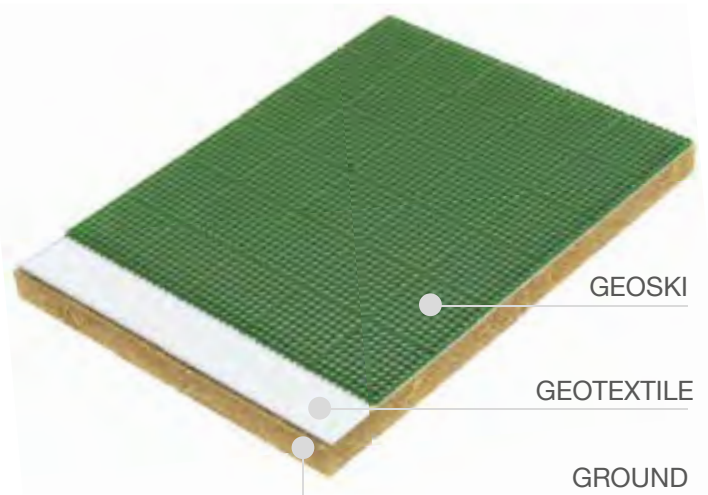
✓ FOR COMPETITION
AND TRAINING SLOPES





✓ STREET PARK
AND SNOW-TUBING

✓ LIFT AREAS



**REVOLUTIONARY
SYNTHETIC SURFACE
TO PRACTICE WINTER
SPORTS 365 DAYS A YEAR,
EVEN IN THE ABSENCE OF SNOW.
IT IS SUITABLE FOR THE CREATION
OF HIGH SLOPES.**



PALLET cm 80 x 120	TRUCK (13.6 m)	CONTAINER 20' BOX	CONTAINER 40' HC
50 m²	1600 m²	715 m²	1495 m²
			



INNOVATIVE



ECO-FRIENDLY



**THERMAL
EXPANSIONS**



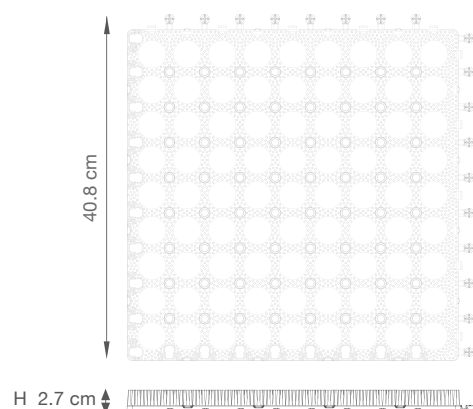
TECHNICAL DATA

Dimensions (cm)	40.8 x 40.8 x H2.7
Weight (kg/m ²)	5.3
Material	Gralene HDSK (Polyethylene Compound)
Packaging dim. (cm)	80 x 120 x H155
Packaging (m ²)	50
No. of pieces per pallet	300

Standard colours

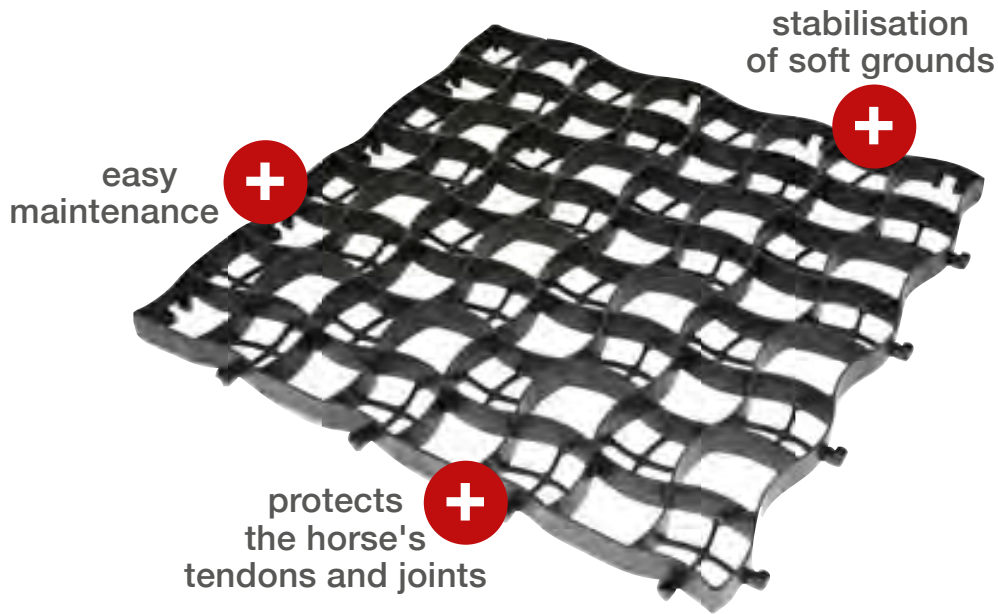
Leaf Green (RAL 6002)	White (Neutro)	Royal Blue (RAL 5010)	Traffic Red (RAL 3020)	Orange (RAL 2008)
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Customized on request



RUNFLOOR HORSES

HIGH PERFORMANCE PAVER FOR EQUESTRIAN SURFACES



✓ **CONSOLIDATION OF RIDING TRACKS**

✓ **TRAINING CIRCUITS**

✓ **CONSOLIDATION OF INDOOR OR OUTDOOR RIDING SURFACES**

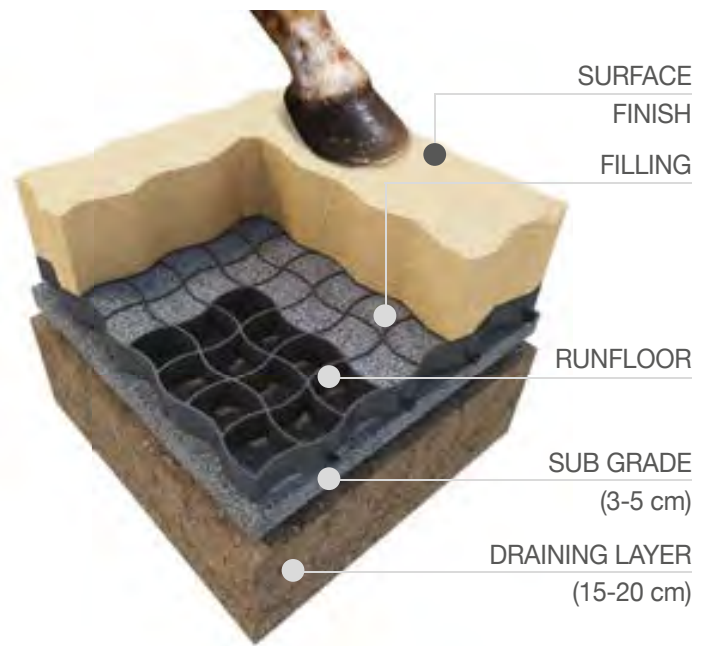
✓ **Paddock and ARENAS**

✓ **CAROUSELS FOR HORSES**

✓ **FENCE, STABLES ACCESS TO THE PASTURE**



THE RUNFLOOR PAVER IS USED TO CONSOLIDATE AND KEEP DRY THE AREAS TRODDEN ANIMALS, PRESERVING THEIR REST AREAS, TRAINING AREAS AND COVERED ENCLOSURES.



ELASTIC



SAFE

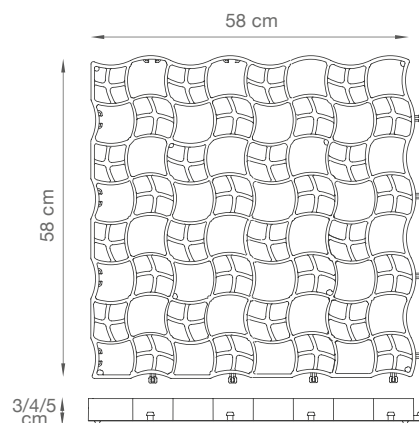


PERMEABLE



TECHNICAL DATA

	RUNFLOOR F03	RUNFLOOR F04	RUNFLOOR F05	RUNFLOOR S05
Dimensions (cm)	58 x 58 x H3	58 x 58 x H4	58 x 58 x H5	40.8 x 40.8 x H5
Material	Gralene HD (Recycled Polyethylene Compound)			
Wall thickness (mm)	4	4	4	5
Load capacity (t/m ²)	400	400	500	600
Weight per piece (kg)	1.29	1.67	1.92	1.19
Packaging dim. (cm)	120 x 120 x H240	120 x 120 x H242	120 x 120 x H240	85 x 125 x H235
No. of pieces per pallet	300	228	180	270
m ² per pallet	100	76	60	45
Permeability	89%	89%	89%	83%



REFERENCES

GRIPPER - MULTIPURPOSE FIELD FEUERSTEIN-ARENA, WERNINGERODE, GERMANY

Gripper was used to equip the covered multi-purpose field of the Feuerstein arena for Summer entertainment.



GRIPPER - BASKETBALL COURT, BCEAO, DAKAR, SENEGAL

The Gripper sports flooring withstands high temperatures, is UV-resistant and is installed in just a few hours.



REFERENCES

RUNFLOOR - RIDING SCHOOL, EBERSTALZELL, AUSTRIA

The non-slip surface, the high stability and compressive strength of the grid ensure maximum safety and stability of the horses.



GEOSKI - FLY LAND, MIDDLE EAST

Geoski was installed during the construction of the new Tubing track in the Fly Land amusement park.



GEOPLAST INTERNATIONAL BRANCHES - A NETWORK OF 60 DISTRIBUTORS




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