



USE LESS CONCRETE

USE OUR FORMWORKS, FOUNDATIONS, SLABS





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 blue ink, appearing to read 'Miao', is positioned in the lower right area of the page.

BACKGROUND

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

We create sustainable solutions with high added value and offering excellent performances, in compliance with construction industry standards.

Over the years we have improved our expertise in the strategic sectors in which we operate, such as construction, stormwater

management, urban green areas and landscaping, always making us a reliable and efficient partner.

Geoplast products are present all over the world thanks to a widespread network of distributors, also including subsidiaries in South Africa and the USA.



PRODUCTION

3

PRODUCTION FACILITIES
ON A TOTAL AREA
OF 40.000 M²



2

PLASTIC WASTE
REGENERATION LINES



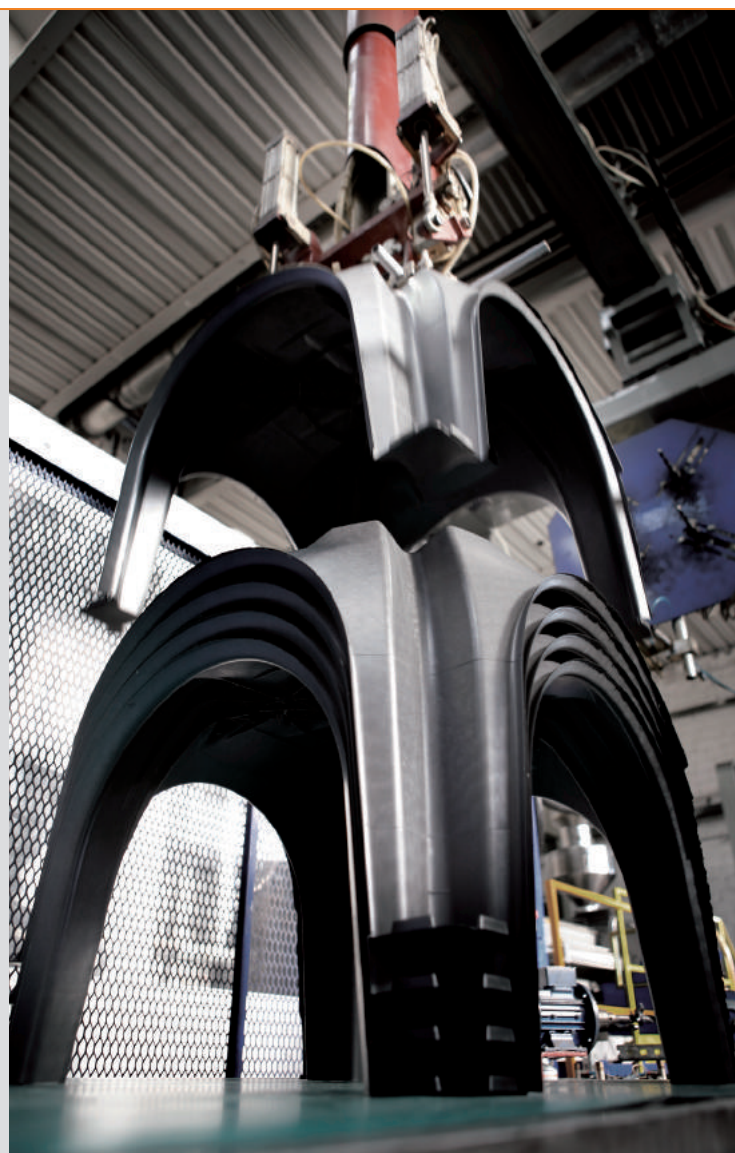
26

HIGH TONNAGE
INJECTION MOULDING



over 25.000

TONS PER YEAR OF
PROCESSED MATERIAL



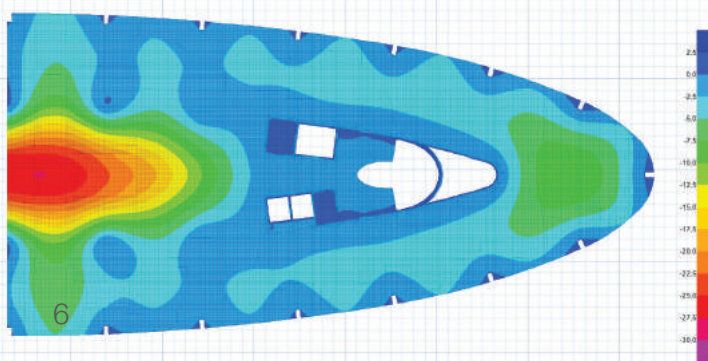
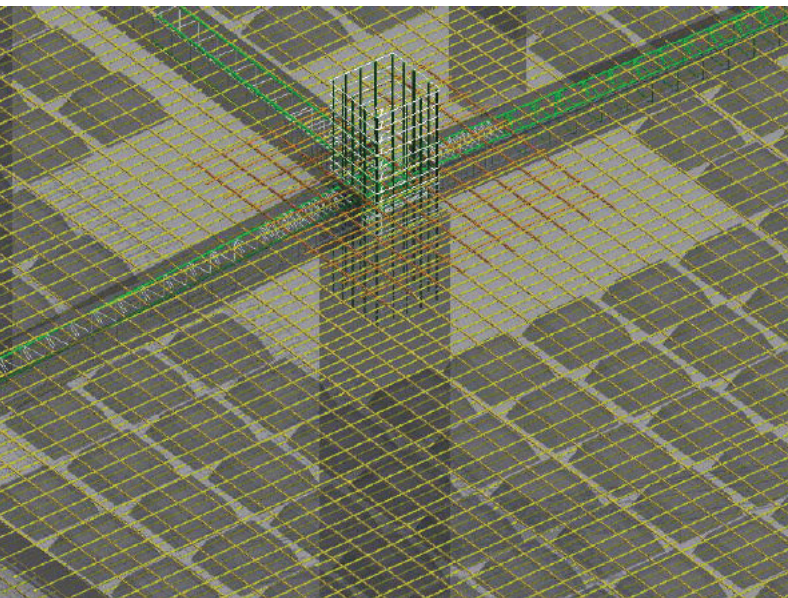
SERVICES & CONSULTING

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.



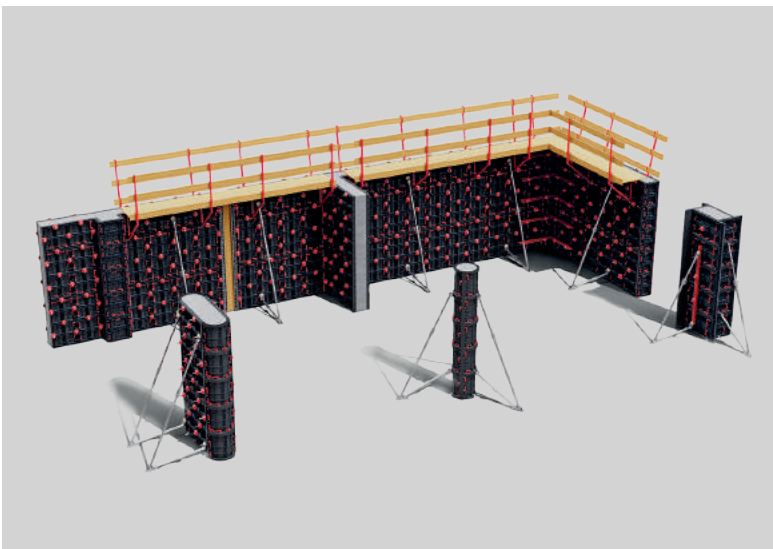
THE INTERNATIONAL EPD® SYSTEM

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.

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.

FORMWORKS page 28




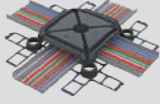





Geoplast void-former solutions reduce the weight of roof slabs, improving the seismic response of buildings and reducing the consumption of concrete and steel.

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




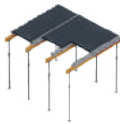

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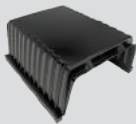

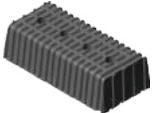

FOUNDATIONS

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FORMWORKS

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SLABS

Page 44		NEW NAUTILUS Void-former for two-way reinforced concrete ribbed slabs.	Page 50		SKYRAIL Reusable technopolymer formwork for one-way ribbed slabs.
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MODULO H3 - H70

Sacrificial formwork for lightweight void fills and crawl spaces.



MATRIX

Formwork for concrete floating floors with MEP installations.



MULTIMODULO H13 - H40

Sacrificial formwork for lightweight void fills and crawl spaces.



BIOMODULO

Sacrificial formwork for air diffusion in composting plants and biofilters.



NEW ELEVATOR

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



DEFENDER

Modular panel for the protection of basement walls.



SKYNET

Formwork for lightweight void fill in compliance with building codes.



FOUNDATIONS

Sustainability and respect for the environment, living comfort for people and profitability for operators in the sector: all our solutions, including those dedicated to Foundations, are designed to combine these three objectives, which can and must be met.

Thanks to our technology, we are able to

transform plastic waste into construction systems with a low environmental impact, which significantly limit the use of expensive and polluting materials, such as steel and concrete, limiting handling and transport to the construction site and significantly reducing construction time.



MODULO H3 - H70

SACRIFICIAL FORMWORK FOR LIGHTWEIGHT VOID FILL AND CRAWL SPACES

ACCESSORIES



H13-70 GEOBLOCK



H13-40 FERMAGETTO



H45-70 FERMAGETTO BOARD



H50-70 FAST LEG



H 65-70 RING

pouring of
beams and slab
in one shot

material savings

vapour mitigation
and protection
from rising damp



✓ **STRUCTURAL
LIGHTWEIGHT VOID FILL**

✓ **VENTILATED
CRAWL SPACES**

✓ **MEP INSTALLATION**

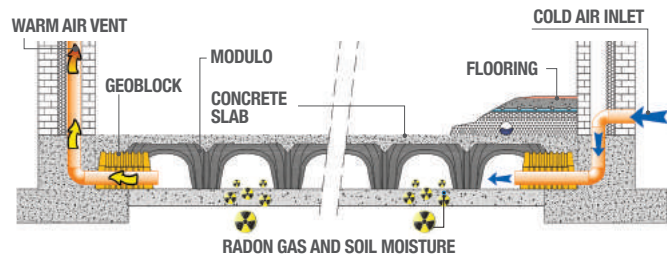
✓ **RADON GAS MITIGATION**

✓ **COLD STORAGE UNITS**

✓ **STORMWATER MANAGEMENT**



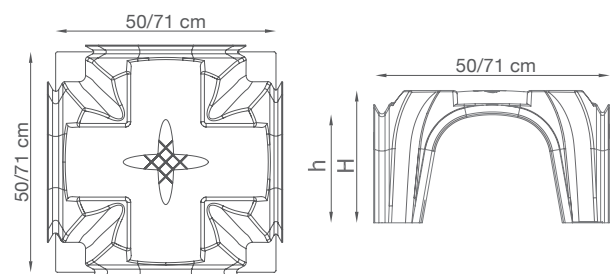
**SACRIFICIAL FORMWORK
FOR LIGHTWEIGHT VOID FILL
AND VENTILATED CRAWL SPACES.
ENSURES CONCRETE SAVINGS
AND IMPROVES PRODUCTIVITY.**



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

SACRIFICIAL FORMWORK FOR FILLINGS AND VENTILATED CRAWL SPACES

ACCESSORIES



GEOBLOCK



FERMAGETTO BOARD



✓ COLD STORAGE UNITS

✓ VAPOUR MITIGATION

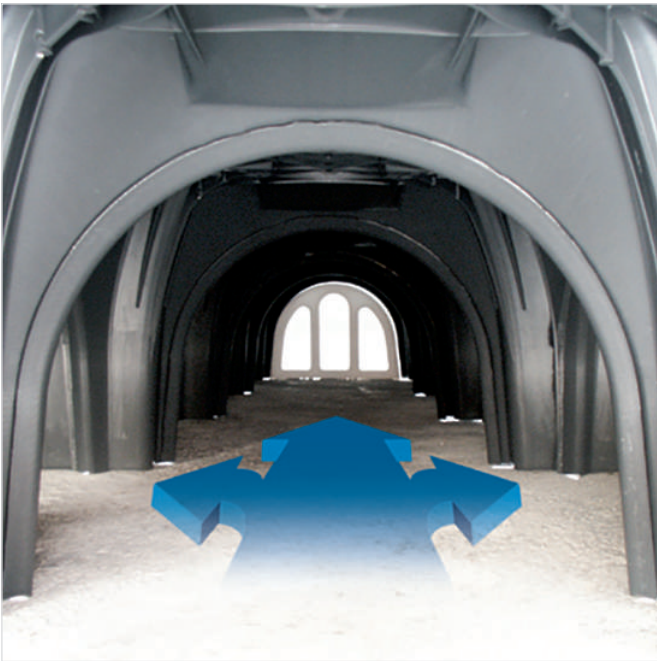
✓ LIGHTWEIGHT VOID FILL

✓ HEIGHT COMPENSATION

✓ ENGINEERED FILLING MATERIAL



SACRIFICIAL FORMWORK
FOR LIGHTWEIGHT VOID FILL
AND VENTILATED CRAWL SPACES.
ENSURES LOWER CONCRETE USAGE AND
REDUCES INSTALLATION TIMES.



MULTIMODULO H13 - H40

Material	Graplene (Recycled Polypropylene Compound)				
	Dimensions (cm)	Consumption of concrete (m³/m²)	Dimensions packaging (cm)	Packaging (m²)	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	360
MULTIMODULO H40	71 x 71	0.050	151 x 151 H265	150	300



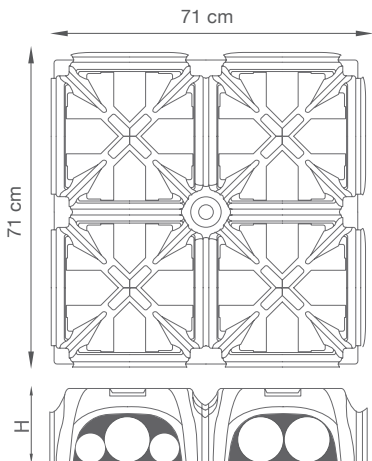
**TECHNICAL SPACE
FOR SYSTEMS
AND VENTILATION**



**QUICK
AND EASY
INSTALLATION**



**HIGH
PRODUCTIVITY
ON SITE**

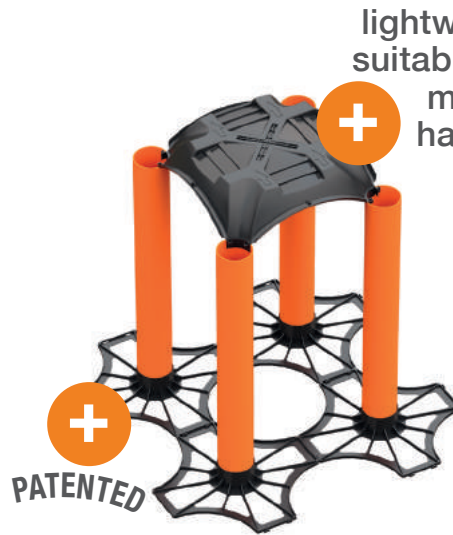


ELEVETOR SYSTEM

SACRIFICIAL FORMWORK FOR VOID FILLS UP TO 3M HIGH



NEW ELEVETOR
TRIO BASE GRID



NEW ELEVETOR
CUATRO BASE GRID

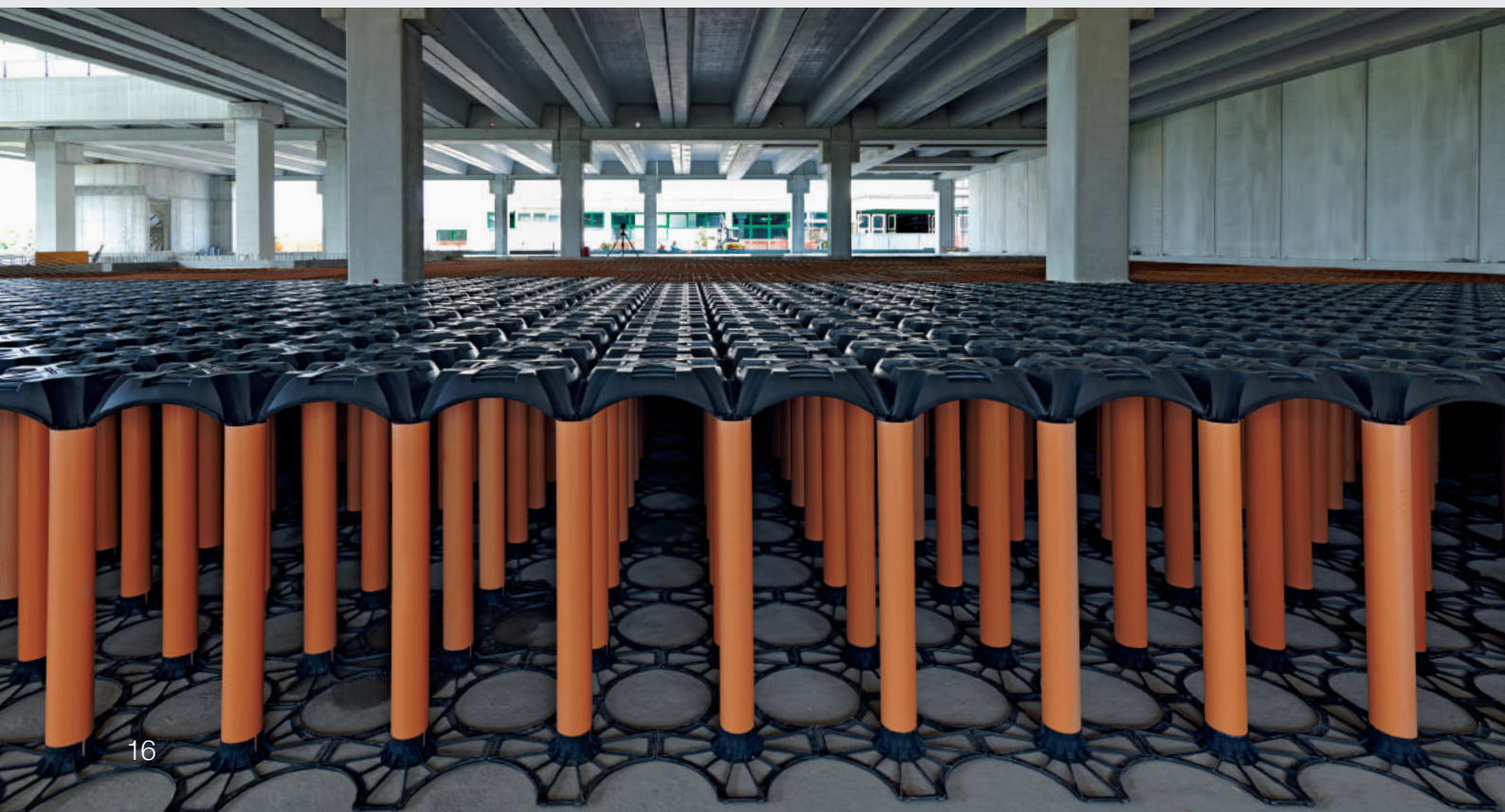


ELEVETOR MAX
MAX BASE GRID

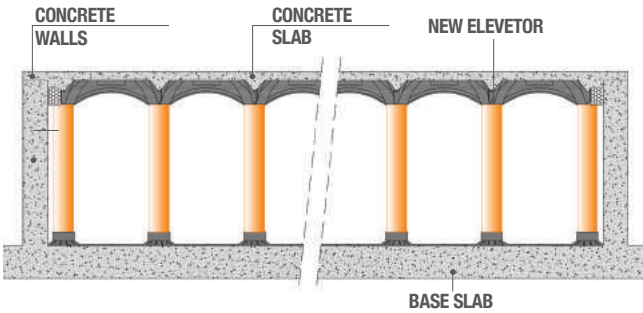
- ✓ VOID FILL
- ✓ HEIGHT COMPENSATION

- ✓ CONCRETE TANKS
- ✓ URBAN TREE MANAGEMENT

- ✓ STEPS AND RAMPS
- ✓ VENTILATED CRAWL SPACES



MODULAR FORMWORKS
FOR STRUCTURAL LIGHTWEIGHT
VOID FILLS AND HEIGHT COMPENSATION.
AN ALTERNATIVE TO CONVENTIONAL
FILLING MATERIALS.



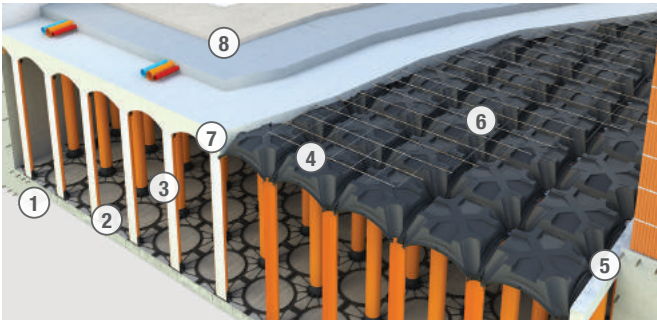
**HIGH LOADING
CAPACITY**



**FILL MATERIAL
SAVINGS**



**HIGH PRODUCTIVITY
ON SITE**



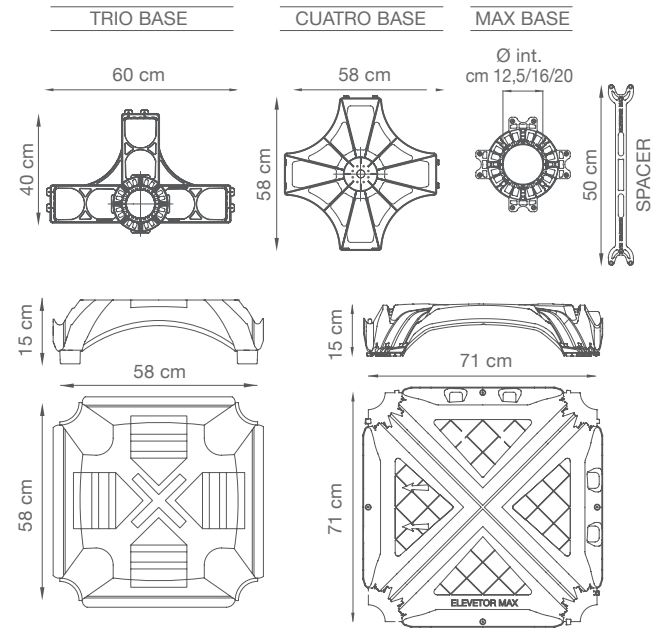
- ① LEAN CONCRETE
- ② NEW ELEVATOR GRID
- ③ NEW ELEVATOR TUBE
- ④ NEW ELEVATOR FORMWORKS
- ⑤ EPS STRIP
- ⑥ WELDED MESH
- ⑦ CONCRETE SLAB
- ⑧ FLOORING

CONCRETE CONSUMPTION FLUSH WITH FORMORK (m³/m²)
[A x (Height Elevator system (m)-0,15)] +C m³/m²

Product	Span	Ø Tube mm	A	C (m³/m²)
New Elevator	58 x 58	125	0.037	0.030
Elevator Max	71 x 71	125	0.025	0.036
		160	0.040	0.036
		200	0.063	0.036

TECHNICAL DATA

	FORMWORK NEW 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



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**



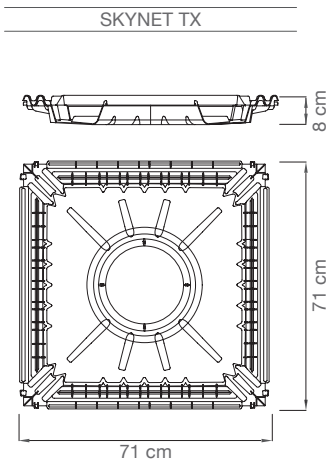
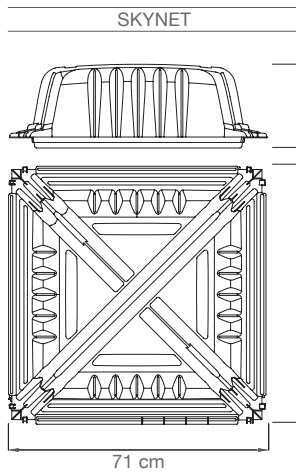
**CONCRETE
SAVING**



**EASY
INSTALLATION**

TECHNICAL DATA

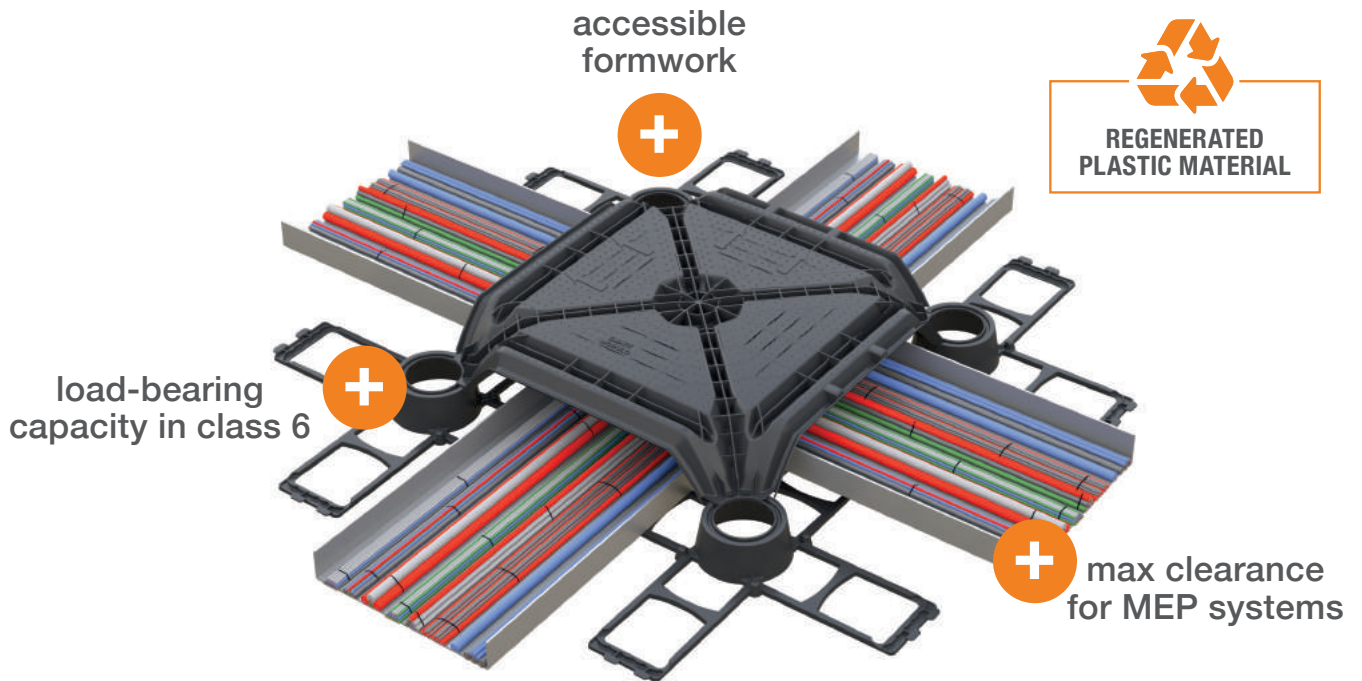
	SKYNET	SKYNET TX
Dimensions (cm)	71 x 71 x H20	71 x 71 x H8
Material	Graplene (Recycled Polypropylene Compound)	
Packaging Dim. (cm)	150 x 150 x H255	150 x 150 x H255
Piece weight (kg)	2,9	2,1
N° pieces per pallet	540	560



MATRIX

CONCRETE RAISED FLOORS

NEW



- ✓ CONTROL ROOMS AND WHITE ROOMS,
- ✓ CRUISE TERMINALS
- ✓ AIRPORTS

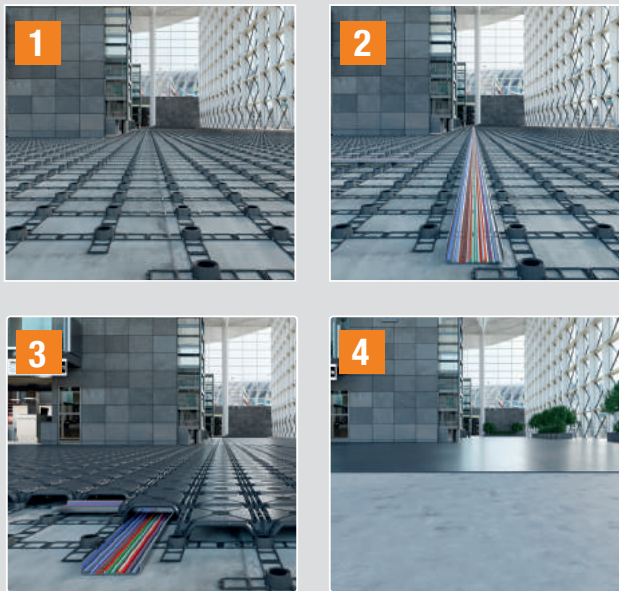
- ✓ METRO\RAILWAY STATIONS
- ✓ SHOPPING MALLS
- ✓ HOSPITALS

- ✓ COMMERCIAL BUILDINGS
- ✓ DATA CENTERS



THE MATRIX SACRIFICIAL FORMWORK
CREATES HIGH LOAD-BEARING CONCRETE
RAISED FLOORS THAT 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



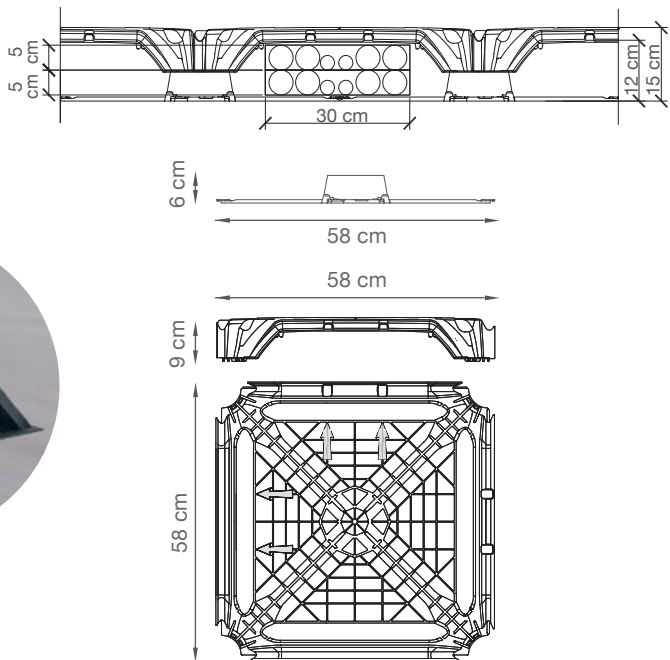
VERSATILE
AND CUSTOMISABLE



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



PERFORATED PLATE



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

+ nozzles for air circulation

+ high load bearing capacity concrete slab

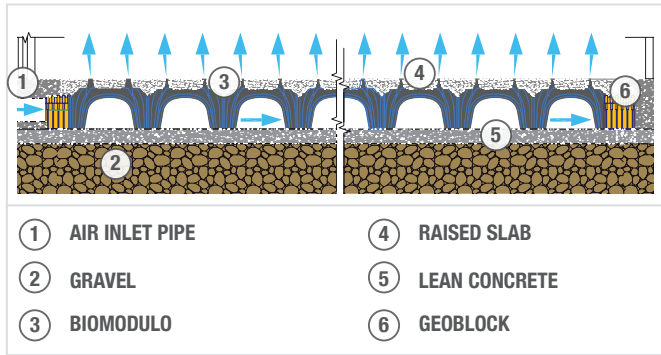
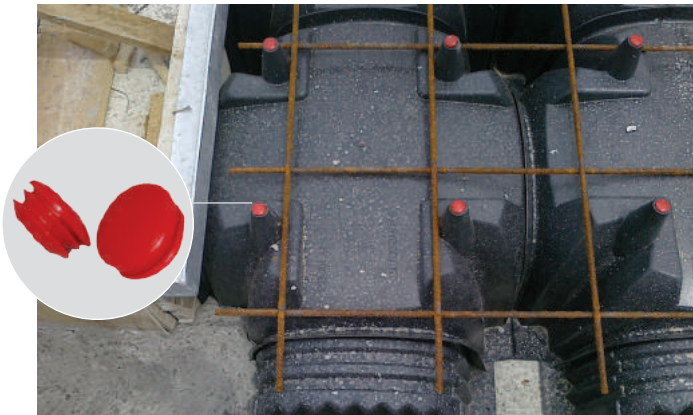
✓ BIOFILTRATION

✓ BIOSTABILISATION

✓ COMPOSTING



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



HOMOGENEOUS
VENTILATION



QUICK AND EASY
INSTALLATION

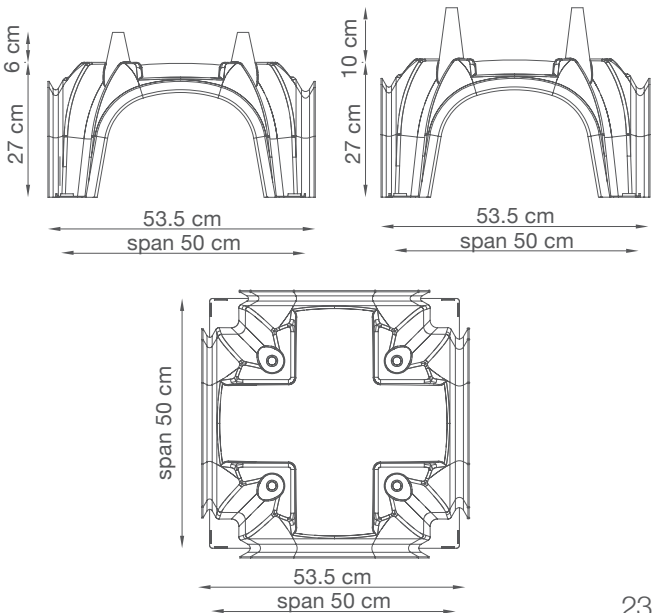


HIGH
RESISTANCE



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 (m³/m²)	0.10	0.14



DEFENDER

MODULAR PANEL FOR RETAINING WALLS PROTECTION

easy to shape



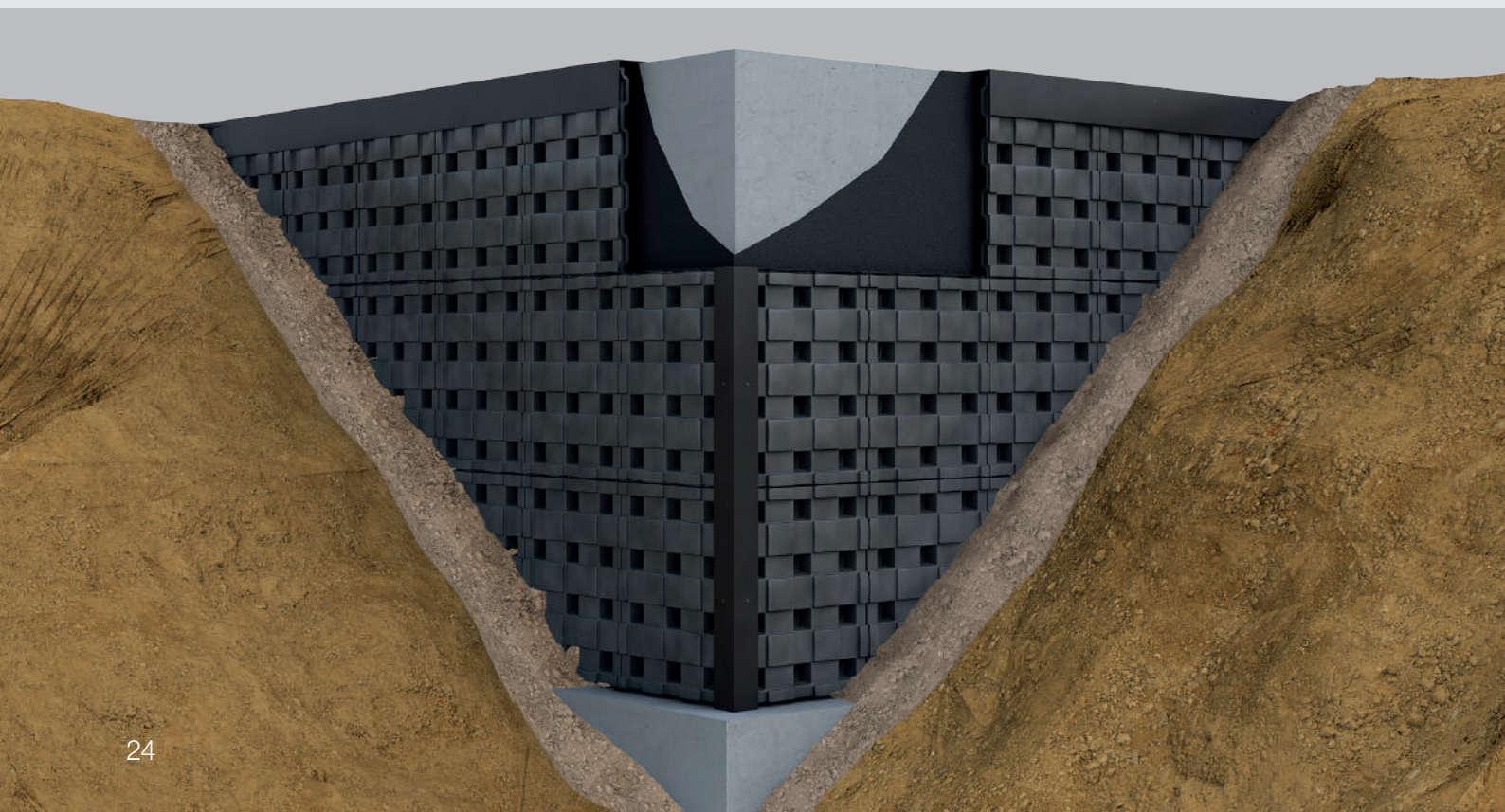
installation speed
20 m²/man/h



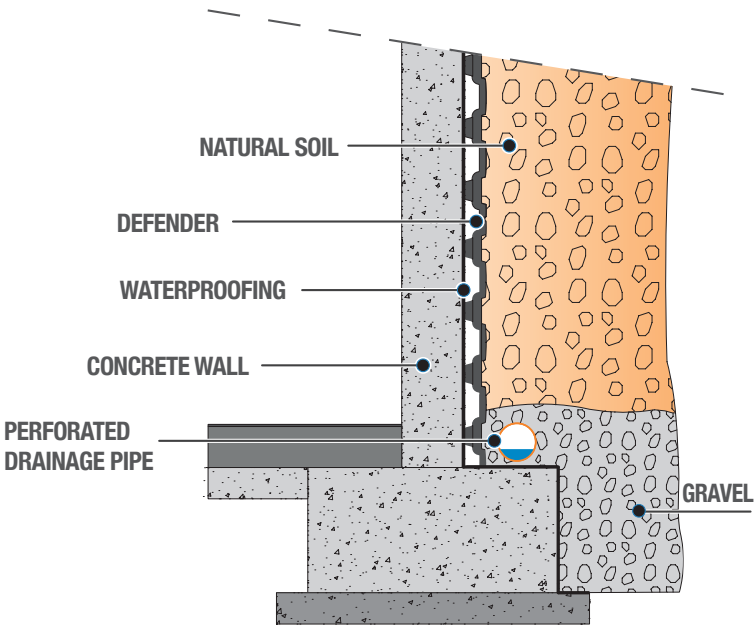
6000 kg m²
compressive
strength



BASEMENT AND RETAINING WALL PROTECTION



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



**COMPLETE
VENTILATION**



**EXCELLENT
WATER PROOFING**

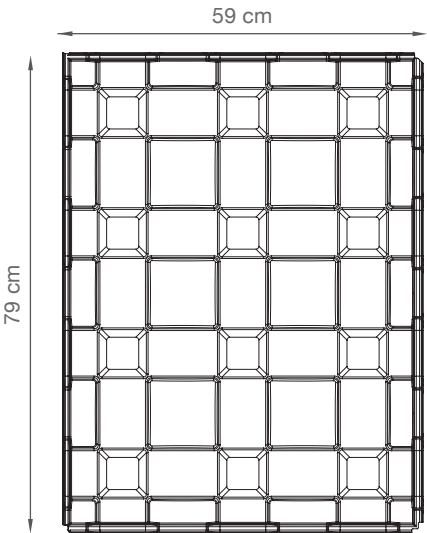


**HIGH
RESISTANCE**



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.



NEW 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

NEW 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. New elevator in this case was used for the void fills in the foundations.



MODULO - MOROCCO MALL SHOPPING CENTRE, CASABLANCA, MOROCCO

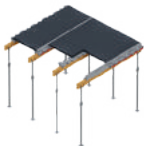
With a surface of 90,000 m², the Morocco Mall is the largest shopping centre in North Africa. Modulo H45 was used to create level compensation between pile-caps and water drainage on the ground slab.





GEOPANEL

Formwork system for walls and foundations.



GEOSKY

Flat slab formwork.



GEOTUB PANEL

Square and rectangular column formwork.



GEOTUB

Circular column formwork.



GEOPANEL STAR

Adjustable square and rectangular column 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 AND FOUNDATIONS



fresh concrete
pressure 60 kN/m²

panel weight
11 kg (15 kg/m²)

universal
locking system

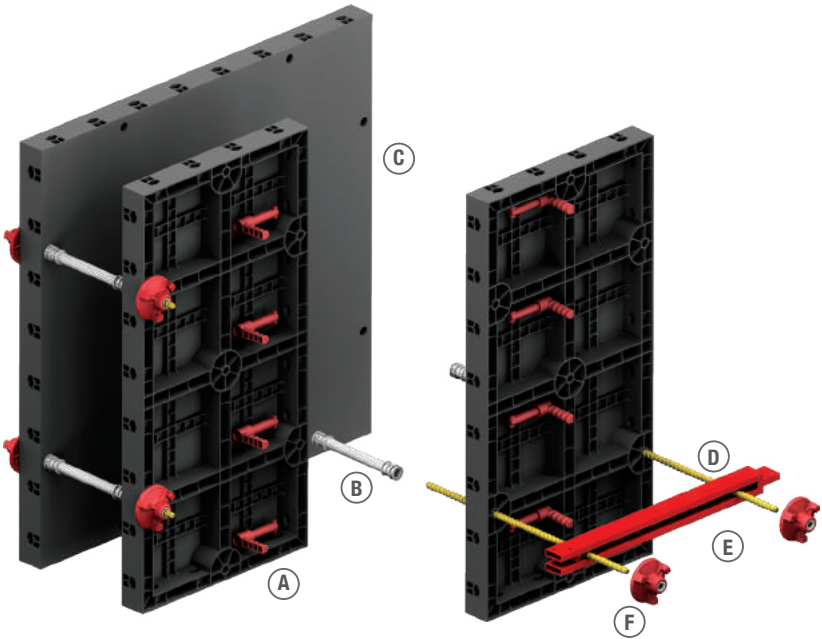
- ✓ WALLS, SHEAR WALLS
- ✓ ELEVATOR SHAFTS
- ✓ FOUNDATIONS
- ✓ BRIDGE REPAIR

- ✓ 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
- (E) ALIGNMENT BAR
- (F) ANCHOR NUT



LIGHTWEIGHT



EASY TO HANDLE

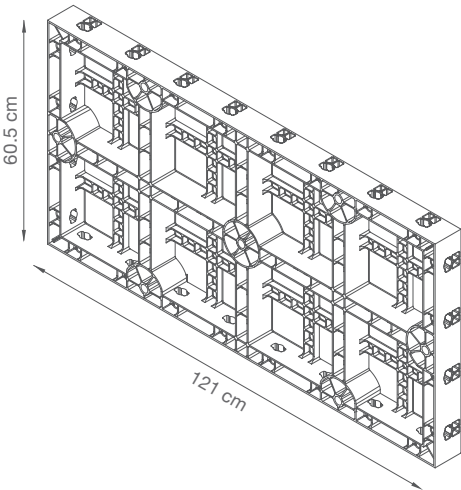


STRENGTH



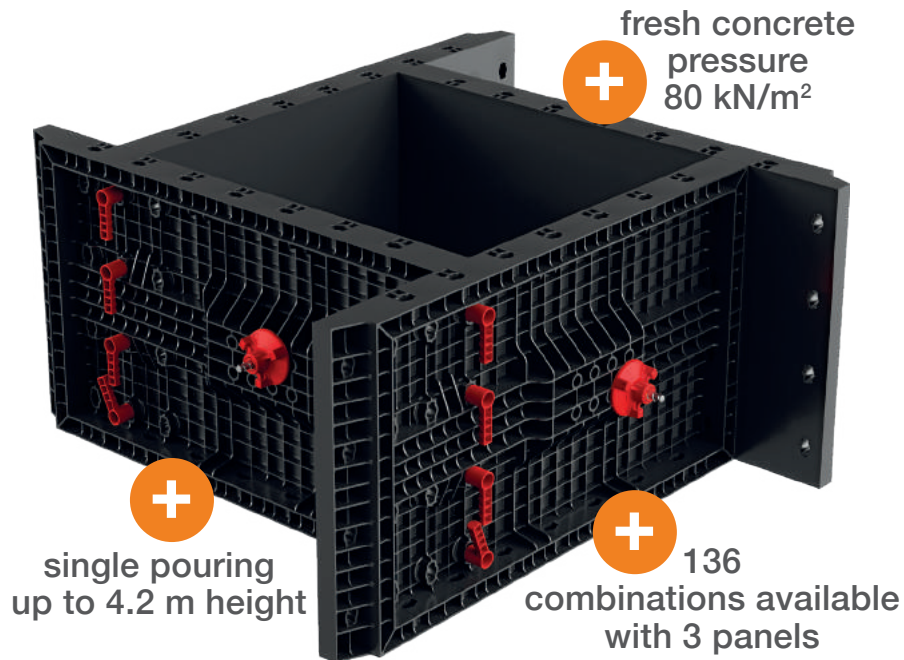
AVAILABLE SIZES - Standard panels

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 40X60	0.40 x 0.60	GEOPANEL 4X60	0.04 x 0.60
GEOPANEL 35X60	0.35 x 0.60	GEOPANEL 3X60	0.03 x 0.60
GEOPANEL 30X60	0.30 x 0.60	GEOPANEL CL 20-25-30	0.46 x 0.60
GEOPANEL 25X60	0.25 x 0.60	GEOPANEL CL 35-40-45	0.61 x 0.60
GEOPANEL 20X60	0.20 x 0.60	GEOPANEL TWIN ANGLE	0.30 x 0.30 x 0.10
GEOPANEL 15X60	0.15 x 0.60	GEOPANEL INT. ANGLE	0.30 x 0.10 x 0.60
GEOPANEL WP	0.10 x 0.60	GEOPANEL EXT. ANGLE	0.25 x 0.60



GEOPANEL STAR

ADJUSTABLE FORMWORK FOR COLUMNS



✓ SQUARE AND RECTANGULAR COLUMNS

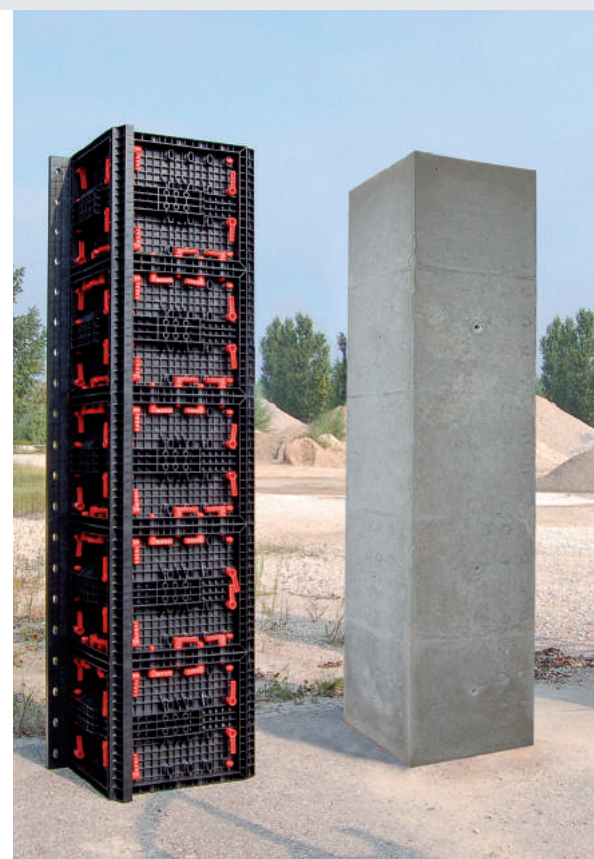
✓ FOOTINGS AND PILE CAPS

✓ GEOPANEL INTEGRATION

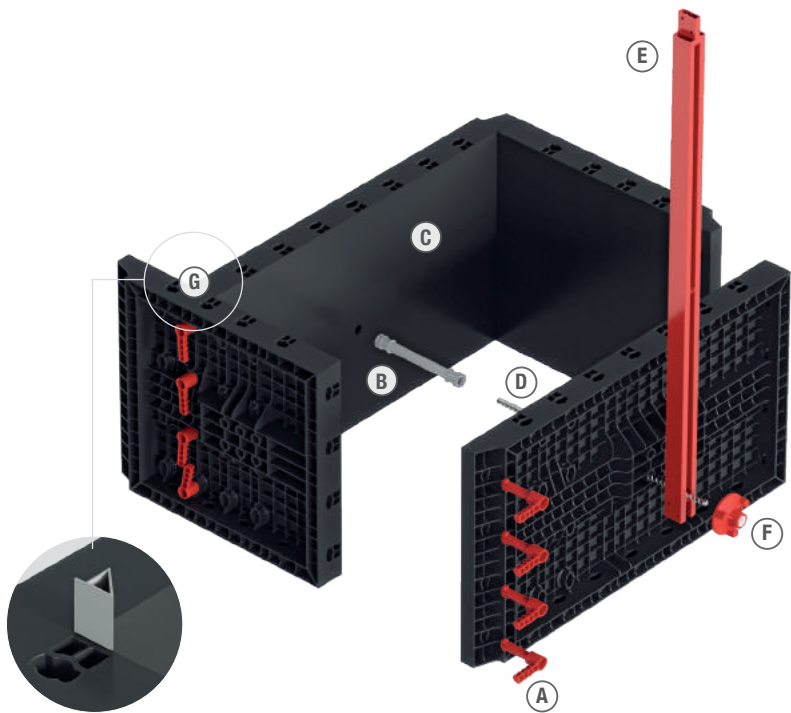
✓ LARGE COLUMNS

✓ DAMAGED COLUMN REPAIR

✓ COLUMN ENCASING



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



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



LIGHT



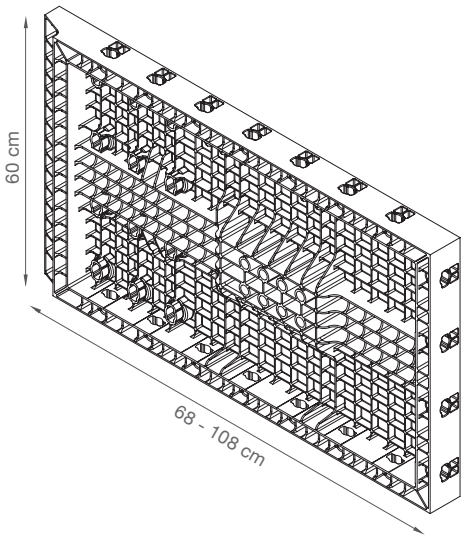
INTUITIVE



STRONG

AVAILABLE DIMENSIONS - Standard panels

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



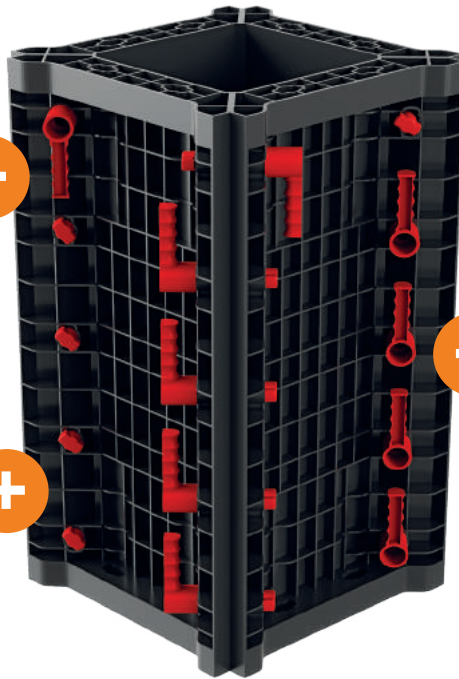
GEOTUB PANEL

FORMWORK FOR SQUARES AND RECTANGULAR COLUMNS

55 combinations
available



integrated
chamfer



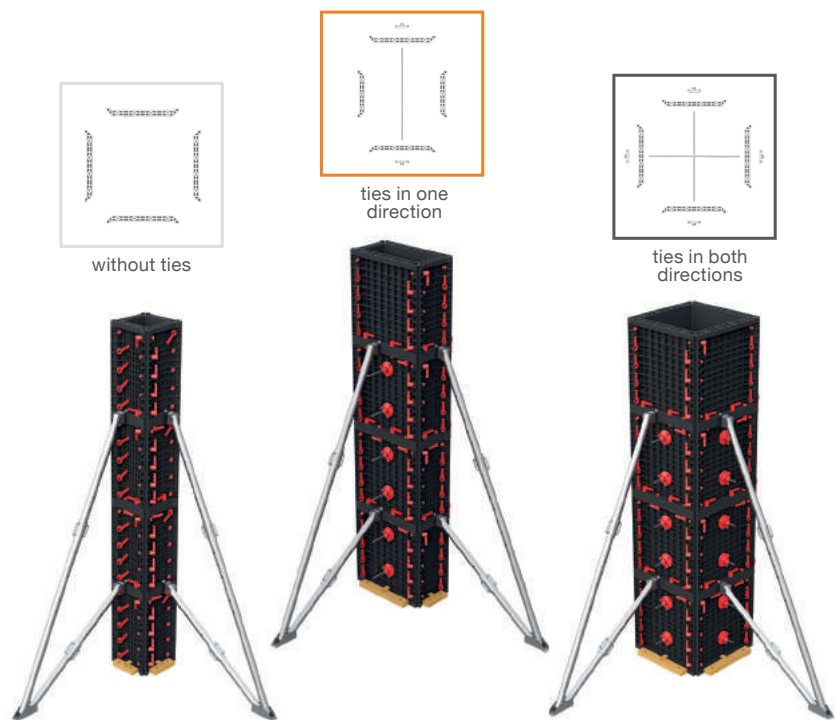
lightweight
and easy to
handle



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



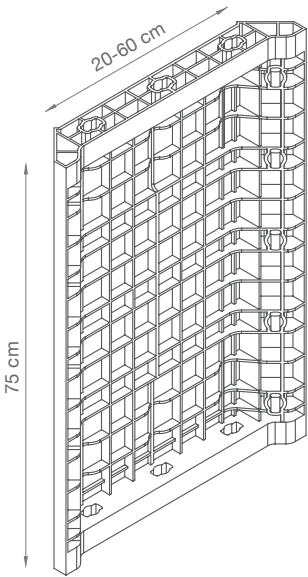
PRACTICAL



QUICK

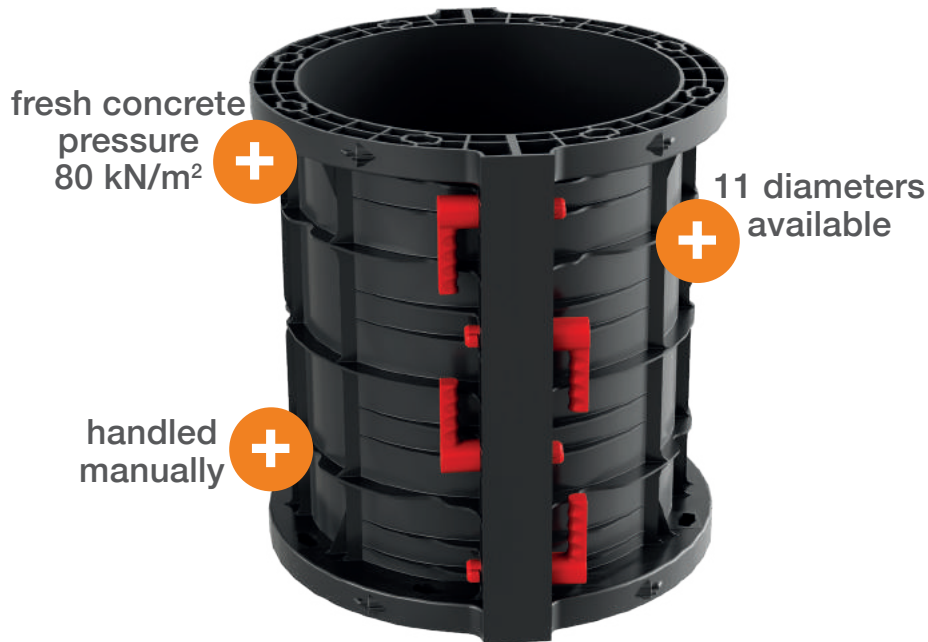
AVAILABLE DIMENSIONS - Standard panels

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

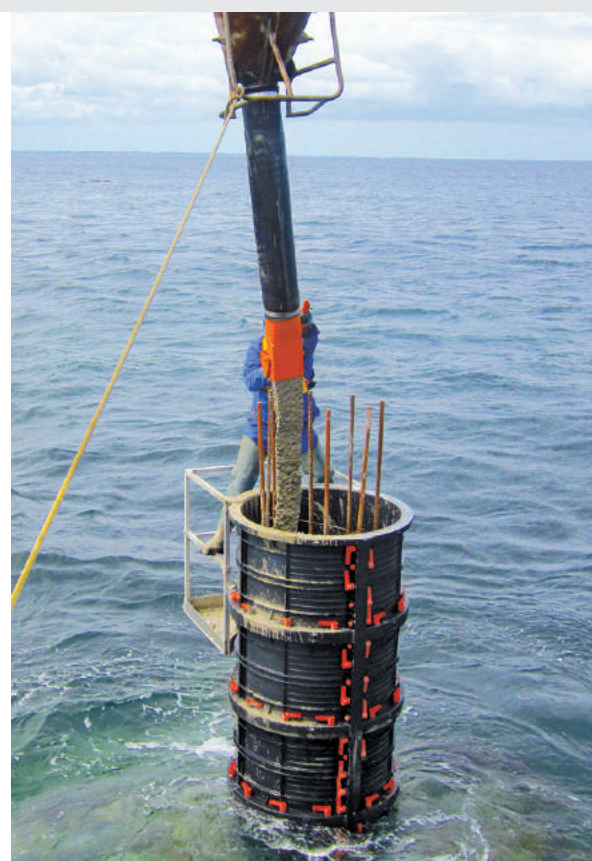
CIRCULAR PLASTIC FORMWORK FOR ROUND AND OVAL COLUMNS



- ✓ 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

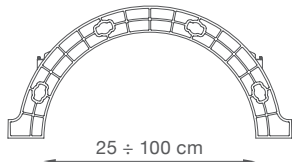
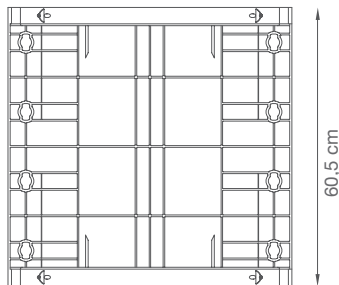
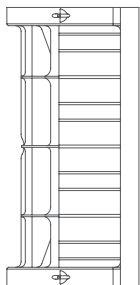


STRENGTH



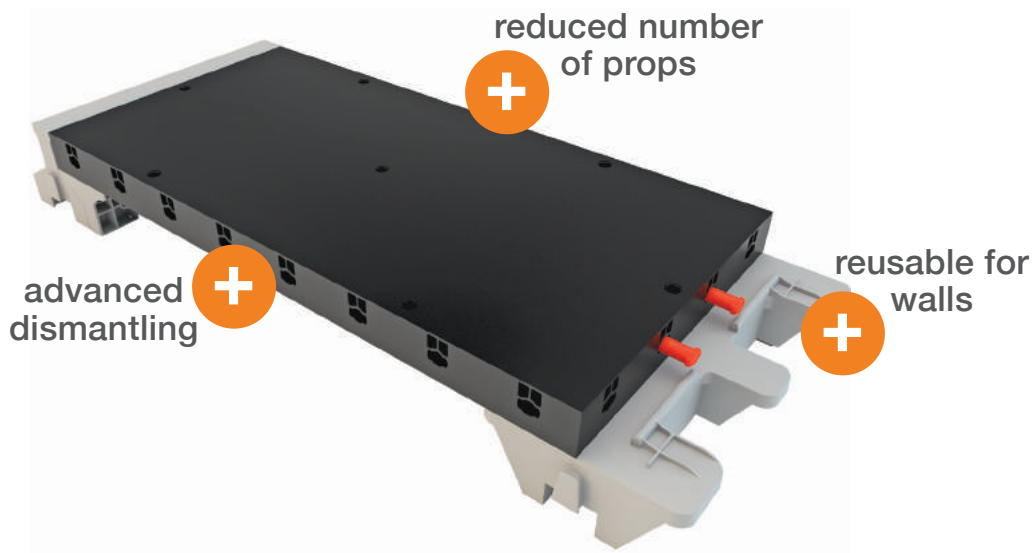
AVAILABLE DIMENSIONS - Standard panels

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		

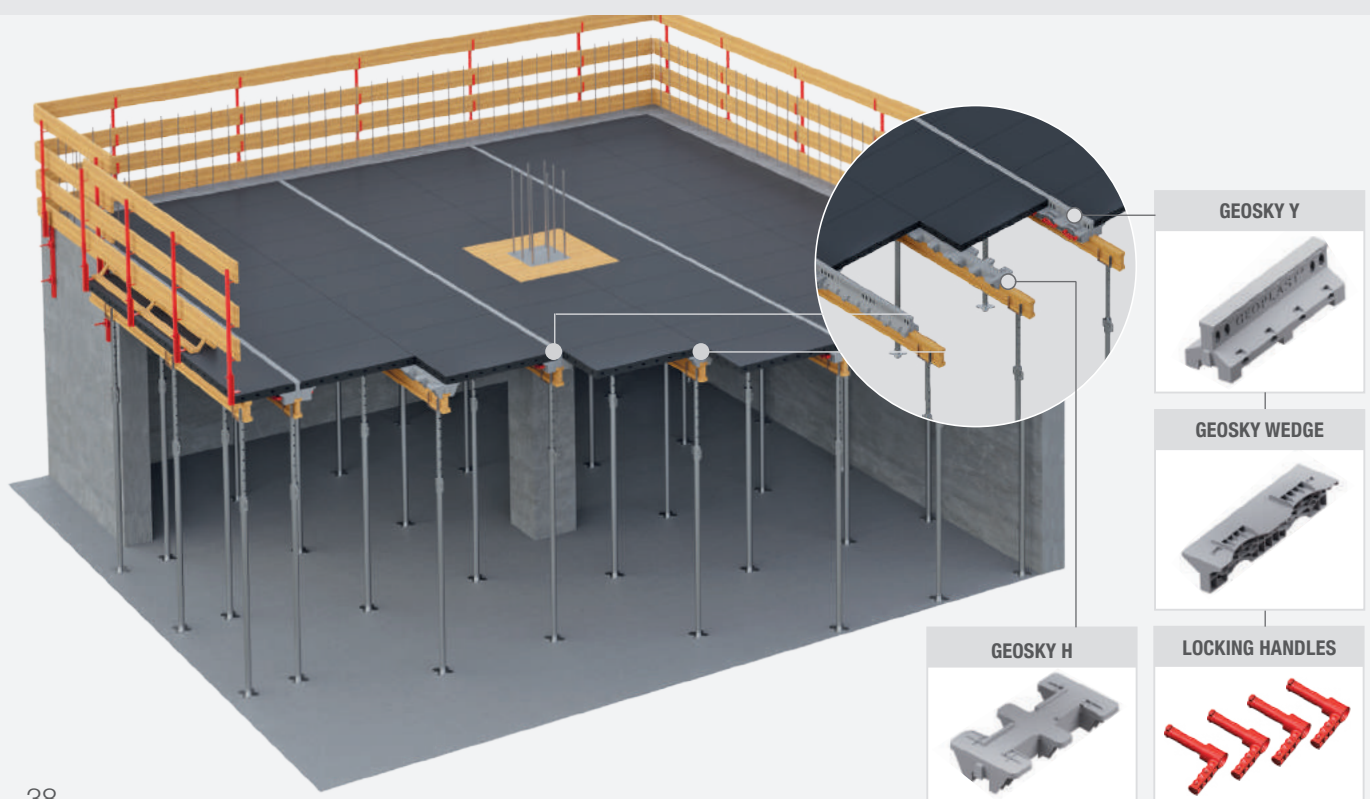


GEOSKY

REUSABLE FORMWORK FOR FLAT SLABS

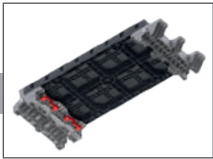


✓ FORMWORK FOR FLAT SLABS

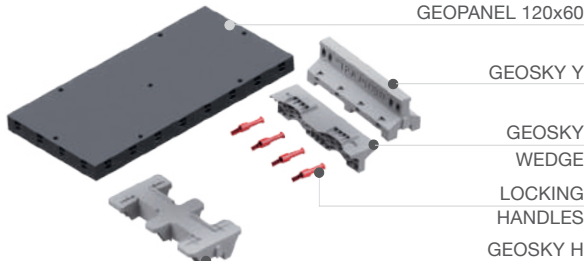


**FORMWORK FOR SLABS MADE
OF RECYCLED TECHNOPOLYMER.
IT REDUCES THE CONSTRUCTION TIMES
OF SLABS SIGNIFICANTLY.
THE SYSTEM IS MODULAR,
SAFE AND EASY TO INSTALL AND CLEAN.**

GEOSKY H+Y (QUICK DISMANTLING)



GEOPANEL 120x60



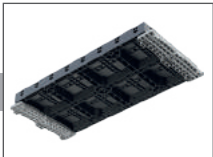
GEOSKY Y

GEOSKY
WEDGE

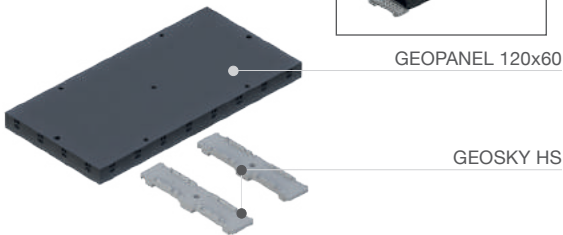
LOCKING
HANDLES

GEOSKY H

GEOSKY HS (STANDARD DISMANTLING)



GEOPANEL 120x60



GEOSKY HS



**LIGHTWEIGHT
AND EASY TO HANDLE**



SAFE

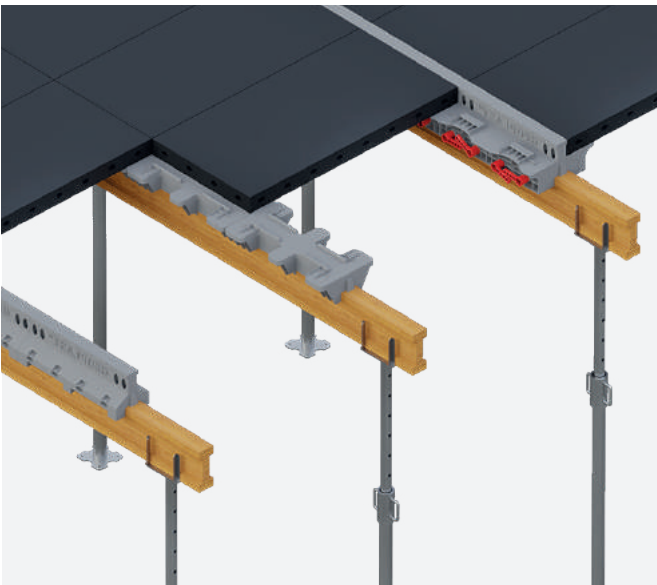


**QUICK
DISMANTLING**



SYSTEM'S COMPONENTS

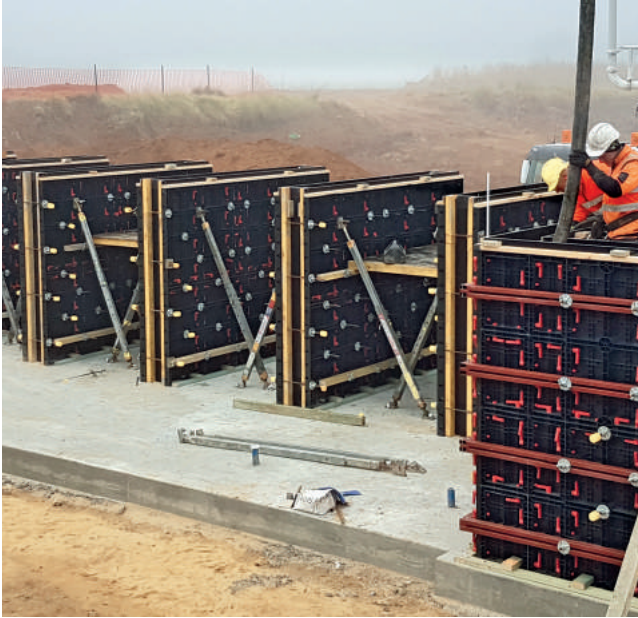
Material	Gratene (Recycled ABS Compound)	
Elements of the system	Actual dimensions (cm)	Nominal dimensions (cm)
GEOSKY Y BEAM	19.1 x 60.5 x H20	120 x 60
GEOSKY H BEAM	31 x 60.5 x H12.1	15 x 60
GEOSKY HS BEAM	13 x 60.5 x H5.8	20 x 60
GEOSKY WEDGE	16 x 60.5 x H11.8	25 x 60
TWIN ANGLE	30.3 x 30.3 x H10	30 x 60
		35 x 60
		40 x 60



REFERENCES

GEOPANEL - 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.



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.





NEW NAUTILUS

System for the lightening of bidirectional slabs with flat intrados.



SKYRAIL

Reusable technopolymer formwork for lightened monodirectional slabs.



NEW NAUTILUS EVO

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



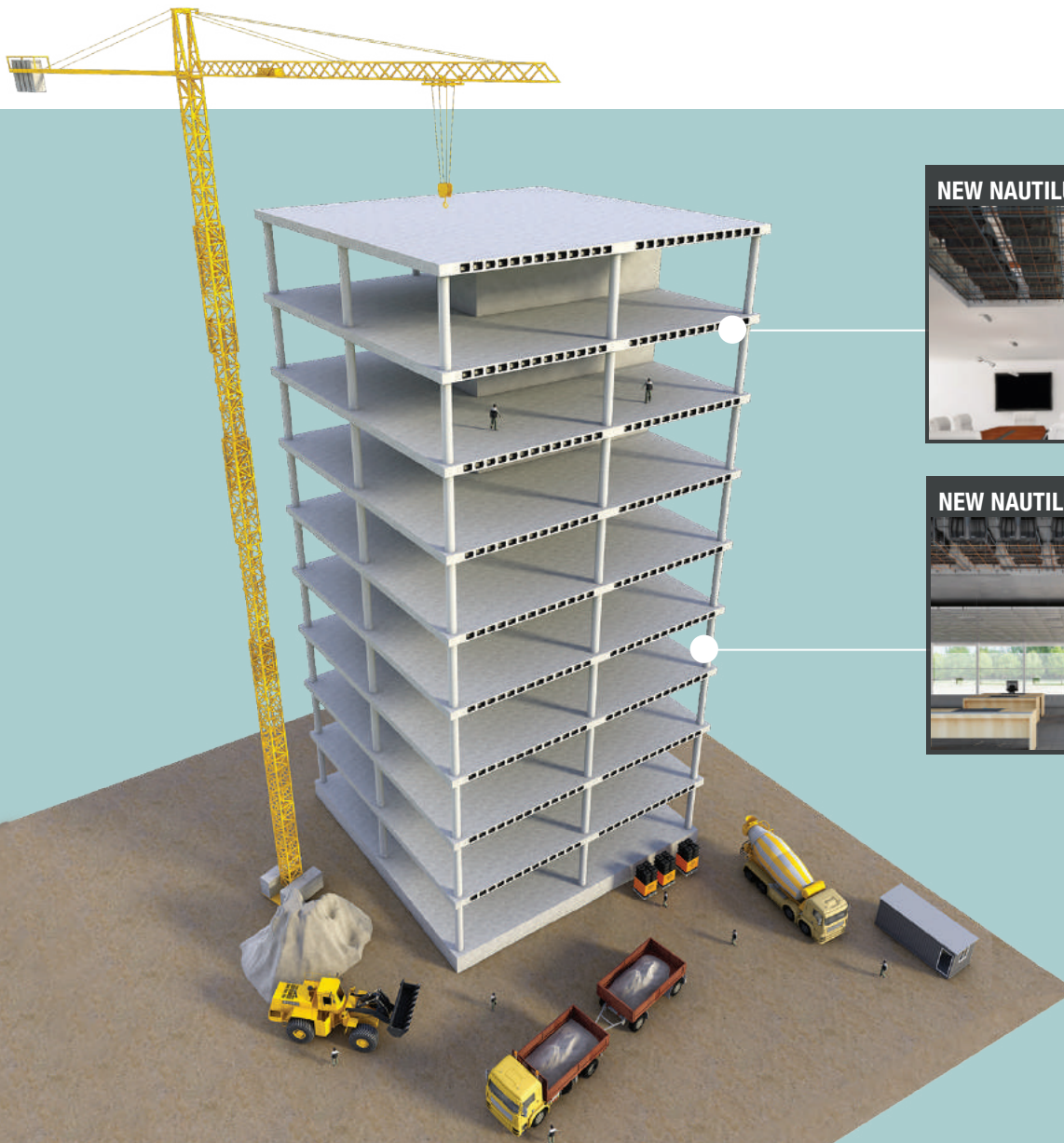
AIRPLAST

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

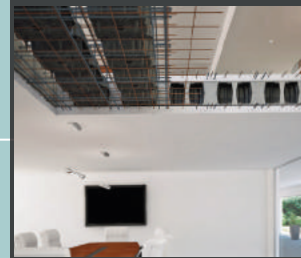


SKYDOME

Reusable technopolymer formwork for lightened bidirectional slabs.



NEW NAUTILUS EVO



NEW NAUTILUS

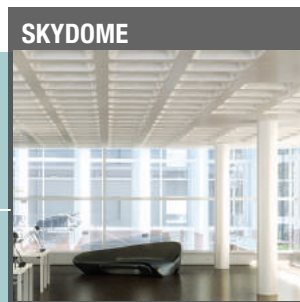


SLABS

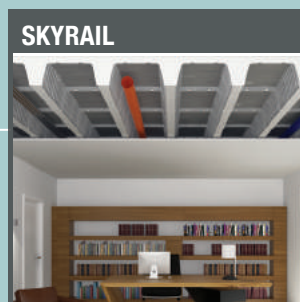
A constant dialogue with the actors on the social and environmental system in which it operates, is in our view the only way for a company to be fully innovative.

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

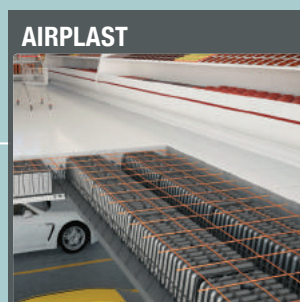
In all solutions which are part of the Slabs Division these objectives are fulfilled. Geoplast slabs create lighter buildings, which respond better to seismic stress. Furthermore, they are built through construction methods and materials that emit less pollutants into the environment and that trigger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



SKYDOME



SKYRAIL



AIRPLAST

NEW NAUTILUS

VOID FORMER FOR TWO-WAY REINFORCED CONCRETE RIBBED SLABS

NEW NAUTILUS SINGLE



+ 15% of cost saving compared to solid slab

NEW 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.



DESIGN
FLEXIBILITY



ANTISEISMIC



SIMPLIFIED
LOGISTICS



NEW NAUTILUS SINGLE

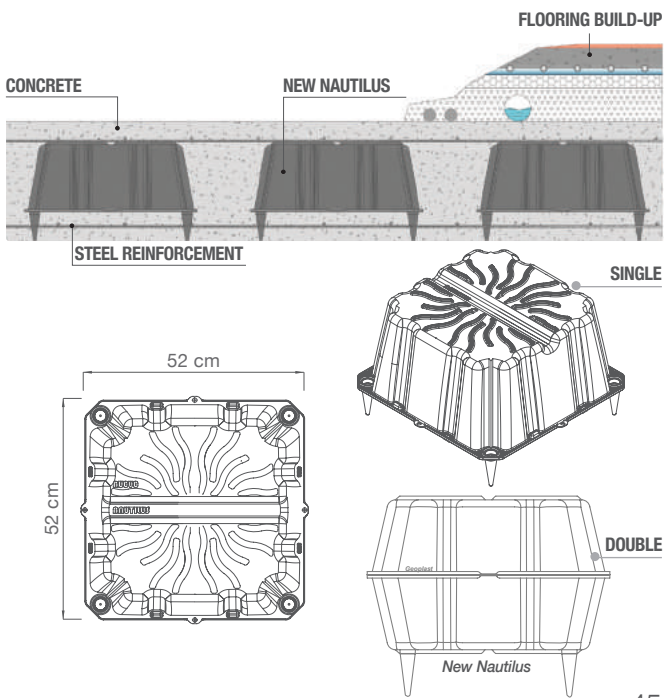
	H16	H20	H24
Dimensions (cm)	52 x 52		
Material	Graplene (Recycled Polypropylene Compound)		
Piece volume (m³)	0.033	0.040	0.047
No. of pieces/pallet	400		

NEW NAUTILUS DOUBLE

	H32	H36	H40	H44	H48
Dimensions (cm)	52 x 52				
Material	Graplene (Recycled Polypropylene Compound)				
Piece volume (m³)	0.066	0.073	0.080	0.087	0.094
No. of pieces/pallet	200				

TECHNICAL DATA FOR ALL DIMENSIONS

	NEW NAUTILUS SINGLE	NEW 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	




NEW NAUTILUS EVO

VOID FORMER FOR TWO-WAY REINFORCED CONCRETE RIBBED SLABS

NEW NAUTILUS EVO SINGLE



 15% of cost saving compared to a solid slab

NEW NAUTILUS EVO DOUBLE



 integrated cone

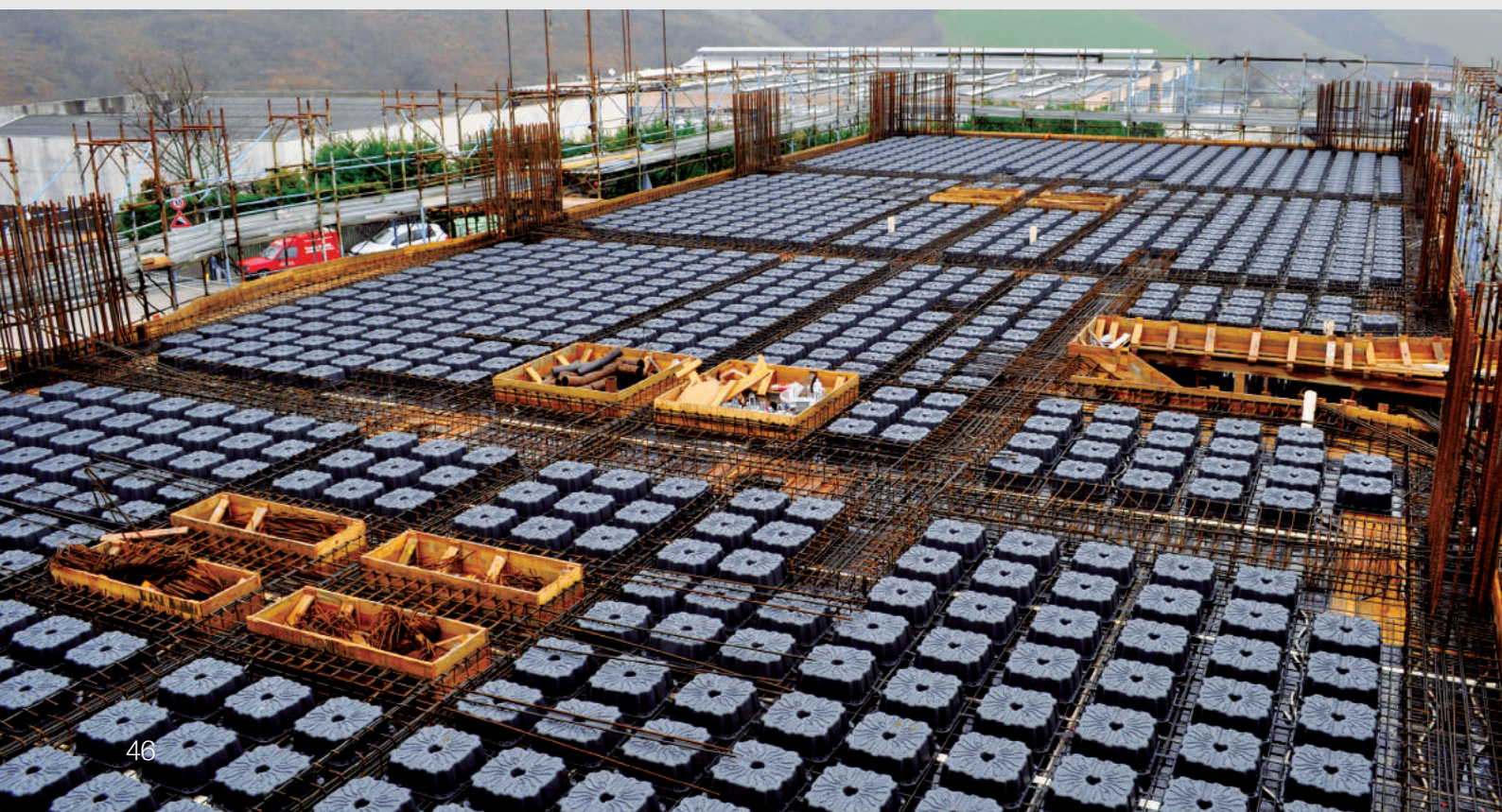


 REI 180 certified

 MULTISTOREY
RESIDENTIAL BUILDINGS

 SHOPPING MALLS, HOSPITALS,
COMMERCIAL BUILDINGS

 MULTISTOREY
PARKING LOTS



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



**DESIGN
FLEXIBILITY**



ANTISEISMIC



**SIMPLIFIED
LOGISTICS**



NEW NAUTILUS EVO SINGLE

	H10	H13	H16	H20	H24	H28
Dimensions (cm)	52 x 52					
Material	Graplene (Recycled Polypropylene Compound)					
Piece vol.* (m ³)	0.024	0.028	0.032	0.039	0.046	0.053
No. of pieces/pallet	400					

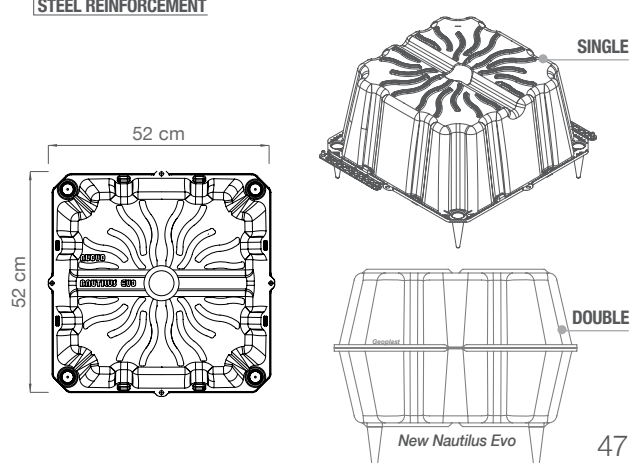
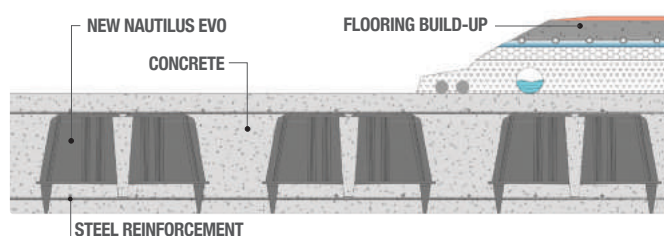
NEW NAUTILUS EVO DOUBLE

	H13	H14	H15	H16	H17	H18	H19	H20	H21	H23
Dimensions (cm)	52 x 52									
Material	Graplene (Recycled Polypropylene Compound)									
Piece vol.* (m ³)	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)									
Piece vol.* (m ³)	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)									
Piece vol.* (m ³)	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

	NEW NAUTILUS EVO SINGLE	NEW 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.



SKYDOME

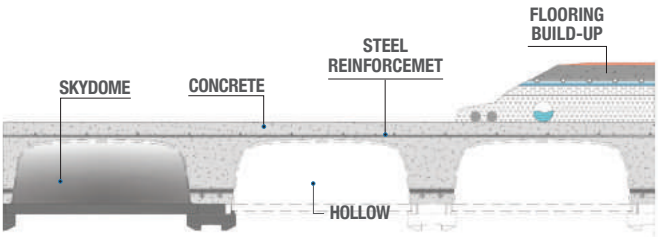
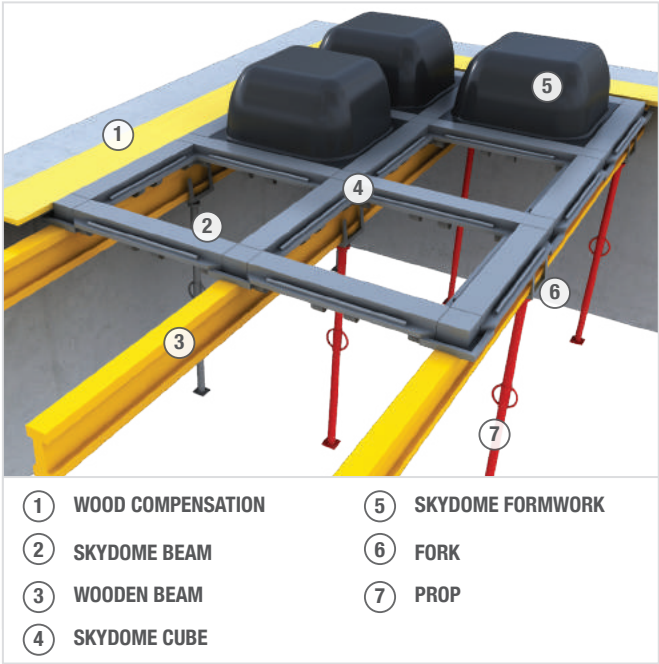
REUSABLE TECHNOPOLYMER FORMWORK FOR LIGHTENED WAFFLE SLABS



✓ TWO-WAY RIBBED SLABS



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



SEISMIC MASS
REDUCTION



REDUCED LOADS
AND CONSUMPTIONS

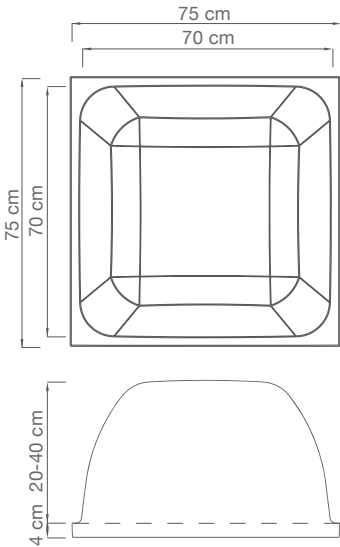


SIMPLE
ASSEMBLY



TECHNICAL DATA

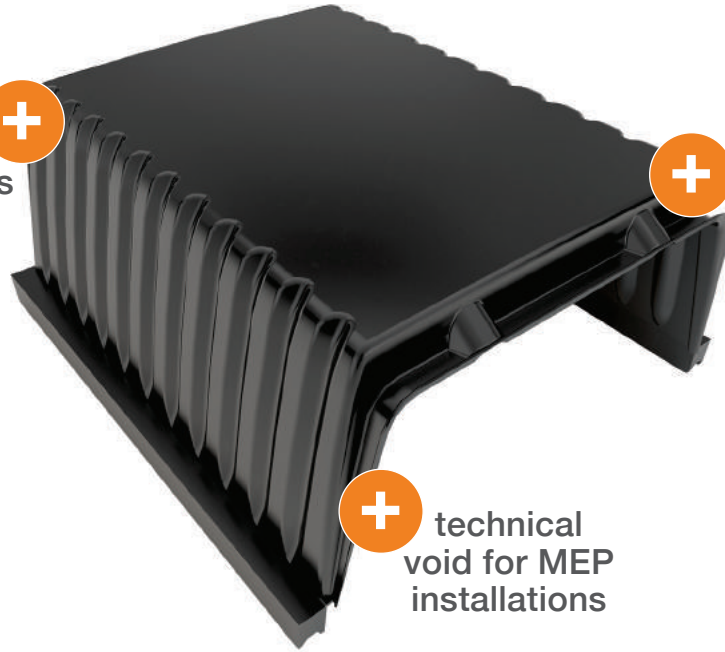
	H200	H250	H300	H350	H400
Dimensions (cm)	75 x 75				
Packaging dim. (cm)	75 x 150 H231	75 x 150 H236	75 x 150 H240	75 x 150 H250	75 x 150 H255
Material	Gratene (Recycled ABS Compound)				
Piece weight (kg)	4.54	4.87	5.36	5.78	6.84
No. of pieces / pallet	100	100	100	100	100



SKYRAIL

REUSABLE TECHNOPOLYMER FORMWORK FOR ONE-WAY RIBBED SLABS

reusable
up to 100 times



3 heights
available



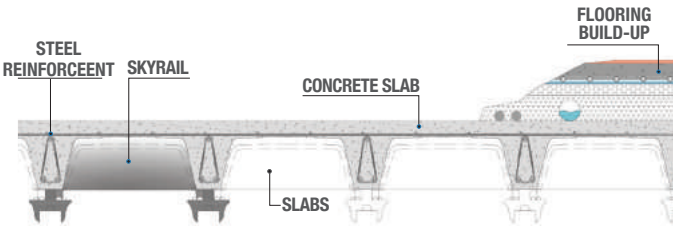
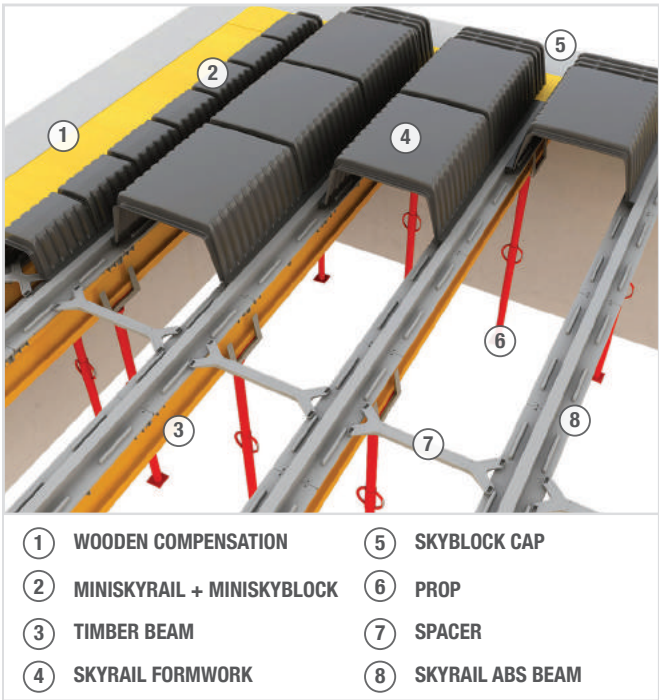
technical
void for MEP
installations



MONO-DIRECTIONAL SLABS



REUSABLE FORMWORKS
FOR THE CREATION
OF ONE-WAY RIBBED 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.



MODULAR



ECONOMIC



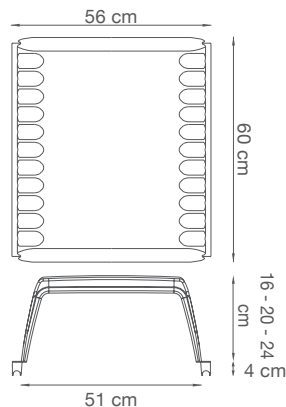
EASY TO HANDLE

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

VOID-FORMER FOR ONE-WAY SLABS WITH FLAT SOFFIT

4 sizes
available



the central cones
avoid deformation

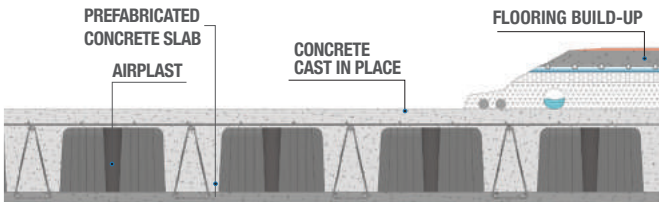
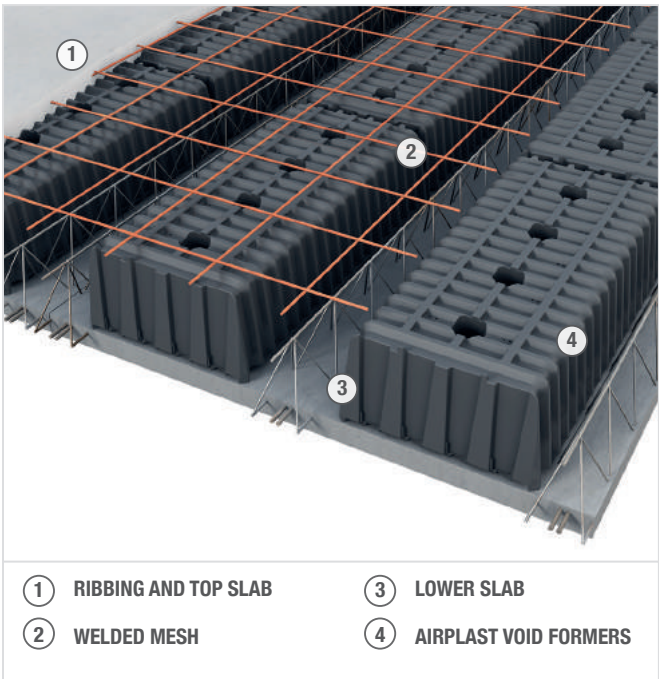
high
stackability



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.**



**NO WATER
RETENTION**



FAST INSTALLATION

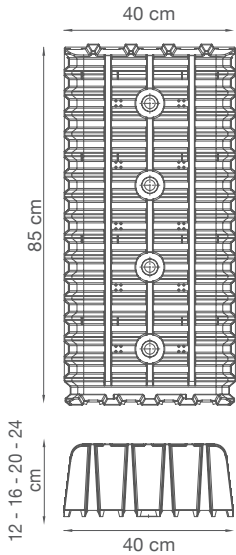


STACKABLE



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

NEW NAUTILUS EVO, MARMARA TOWER, ISTANBUL, TURKEY

Construction of lightweight two-way anti-seismic slabs in this complex for residential and commercial use.



NEW NAUTILUS EVO, DUAL HOCHSCHULE, STUTTGART, GERMANY

The New Nautilus Evo was chosen to create 15,000 m² of lightweight slabs with flat soffit.



REFERENCES

SKYDOME, OFFICE BUILDING, CLUJ NAPOCA, ROMANIA

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

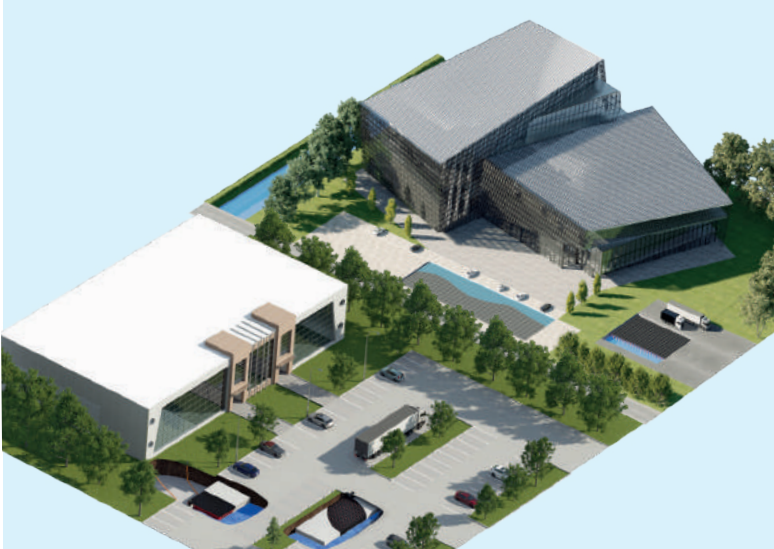


SKYDOME, LE NUAGE, MONTPELLIER, FRANCE

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 of waffle slabs.



OTHER GEOPLAST SOLUTIONS



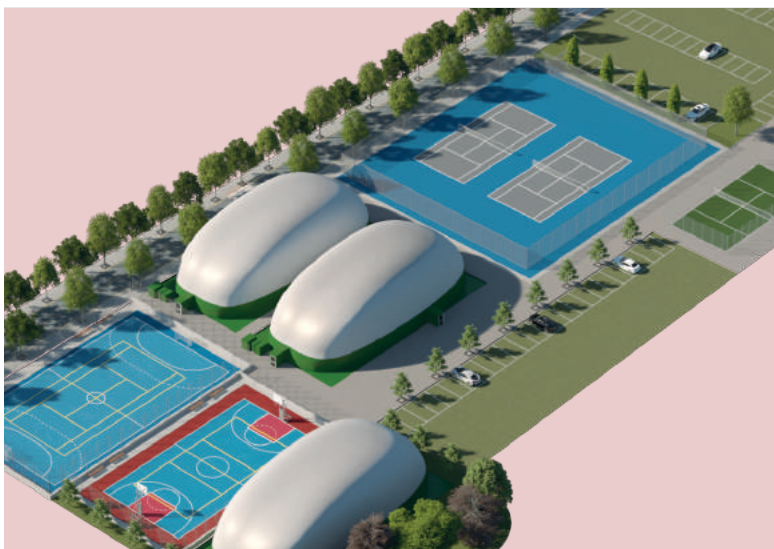
Systems to create underground storage and drainage tanks suitable for any type of soil and able to withstand vehicular traffic up to very high load classes.

WATER



High-strength pavers for the construction of parking and transit areas for passenger and heavy-duty vehicles, systems for vertical vegetation and for the protection of tree root systems in urban contexts.

GREEN




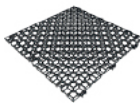

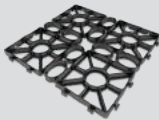


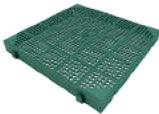
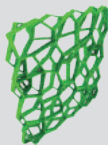

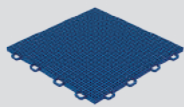
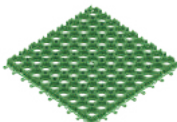
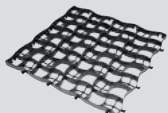


Multi-purpose sport surfaces, quick to install and to move to other locations in case of temporary events.

Synthetic surfaces for winter sports even without snow.

SPORT

PRODUCT

WATER		DRENING Tunnel element for rainwater storage and infiltration.		ELEVATOR TANK Sacrificial formwork for reinforced concrete tanks for water storage.
		DRAINPANEL Modular element for stormwater management.		GEOCELL Drainage panel with high horizontal flow rate.
		AQUABOX Geocellular stormwater management system.		
GREEN		GRIDS Permeable paving grids for grass or gravel.		URBAN GREEN Urban tree root protection.
		URBAN GREEN Green roof drainage modules.		HOME & LEISURE Outdoor pavers.
		GREEN WALLS Vertical green walls.		NURSERY PLANTERS Water containers, tubs, pots.
SPORT		GRIPPER Multi-purpose surface for a variety of sports in full safety and comfort.		
		GEOSKI High performance polyethylene surface for year-round winter sports.		
		RUNFLOOR HORSES High performance paver for the stabilisation and consolidation of equestrian ground.		

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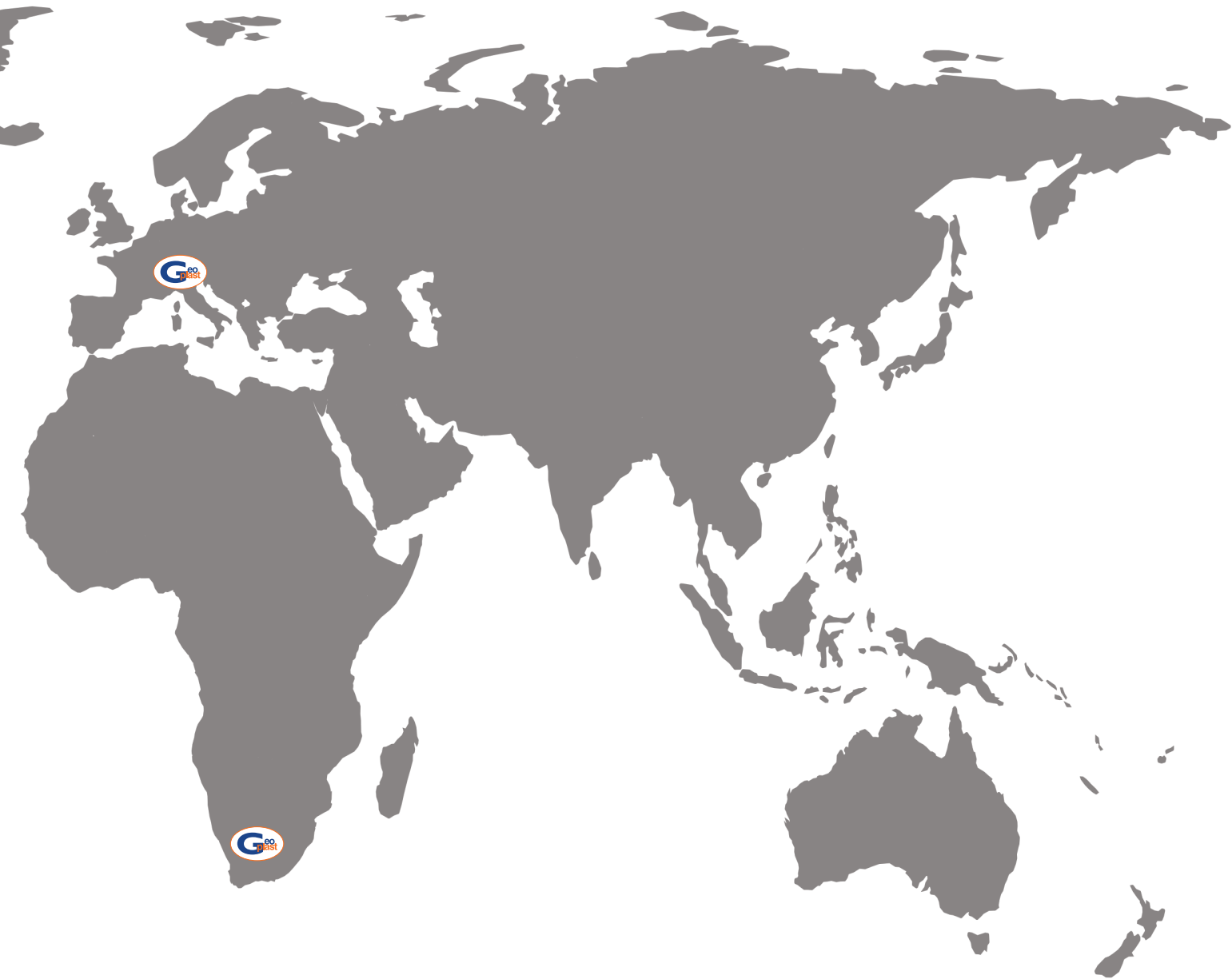
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