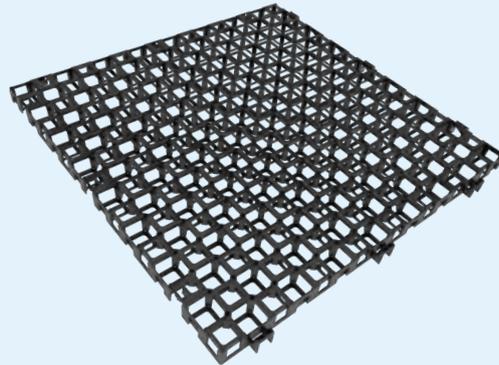
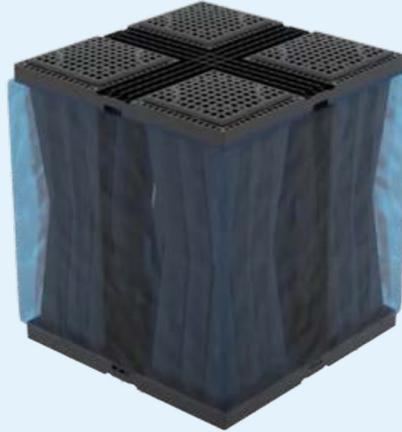




Geoplast Building beyond together

English



Water Solutions





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 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



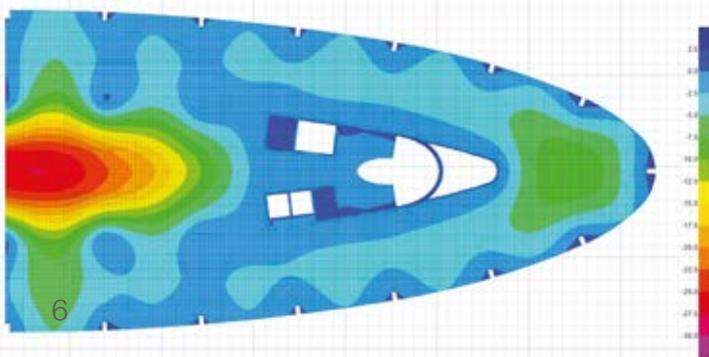
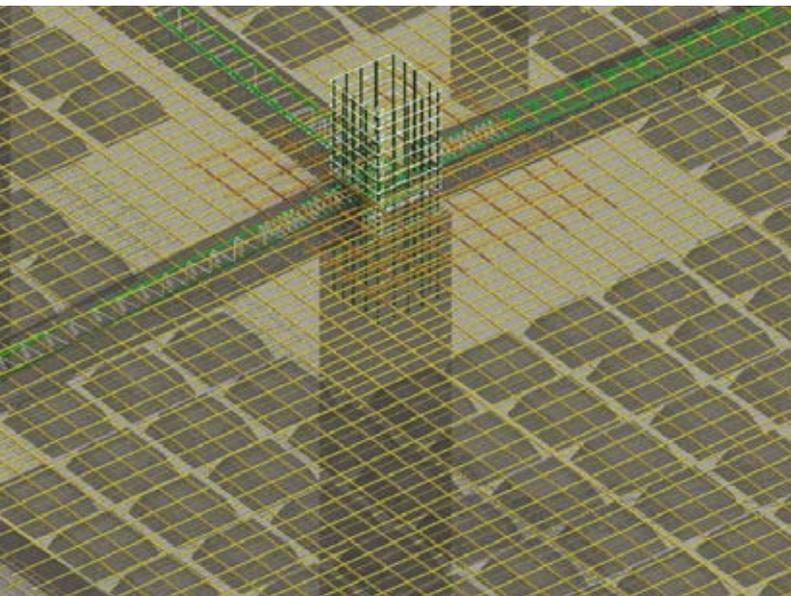
SERVICES & CONSULTING

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



DRENING

Tunnel element for water retention and infiltration.



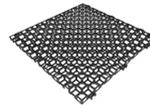
ELEVATOR TANK

Permanent formwork for high-performance reinforced concrete water tanks.



DRAINPANEL

Stormwater infiltration and attenuation modules.



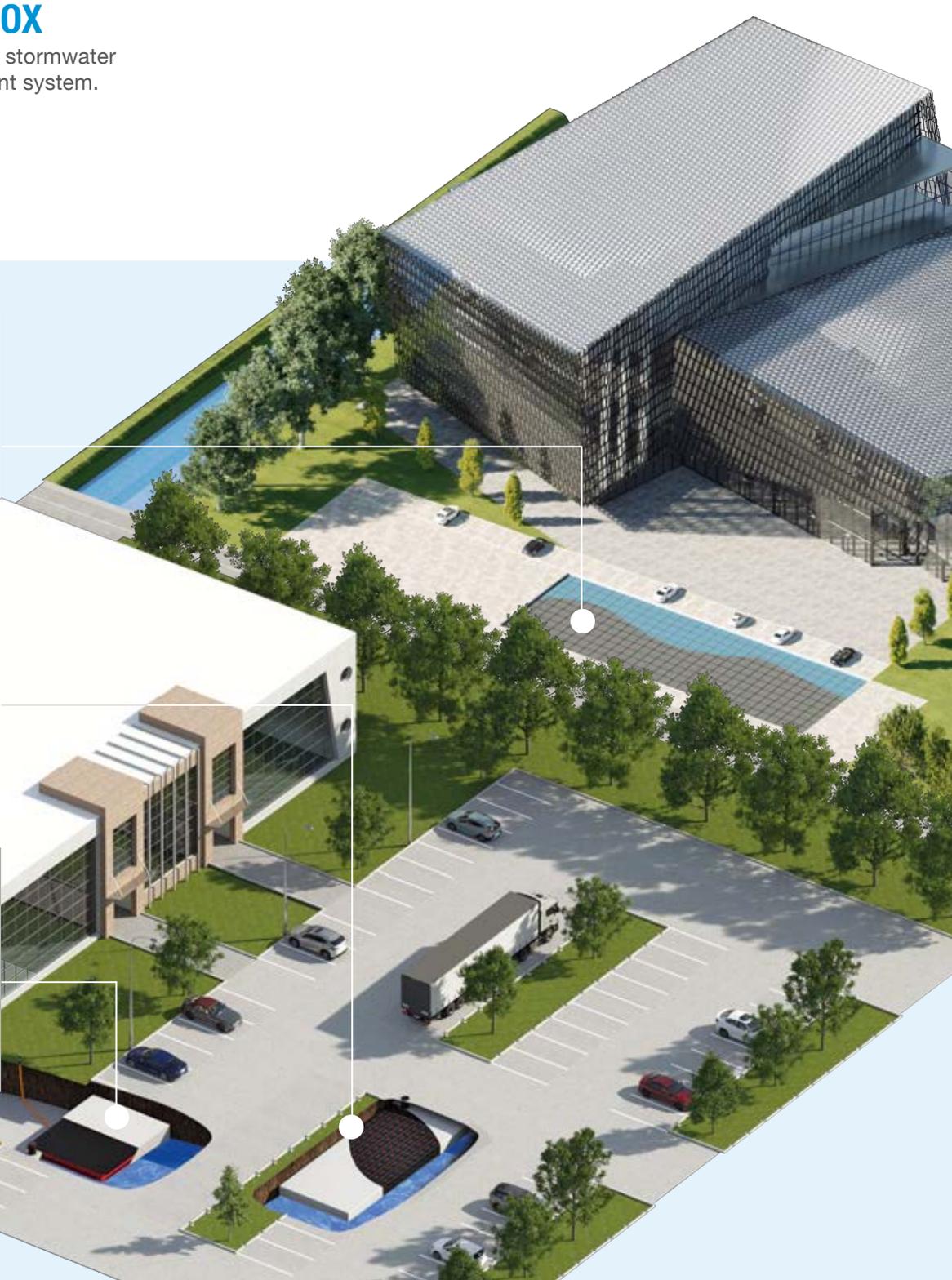
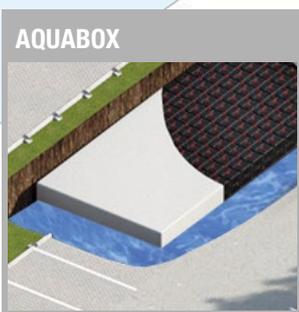
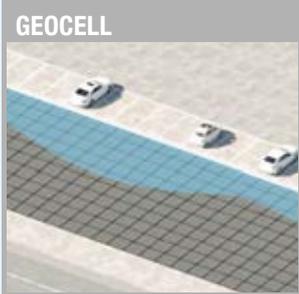
GEOCELL

Cellular structural drainage panel with high horizontal flow capacity.



AQUABOX

Geocellular stormwater management system.

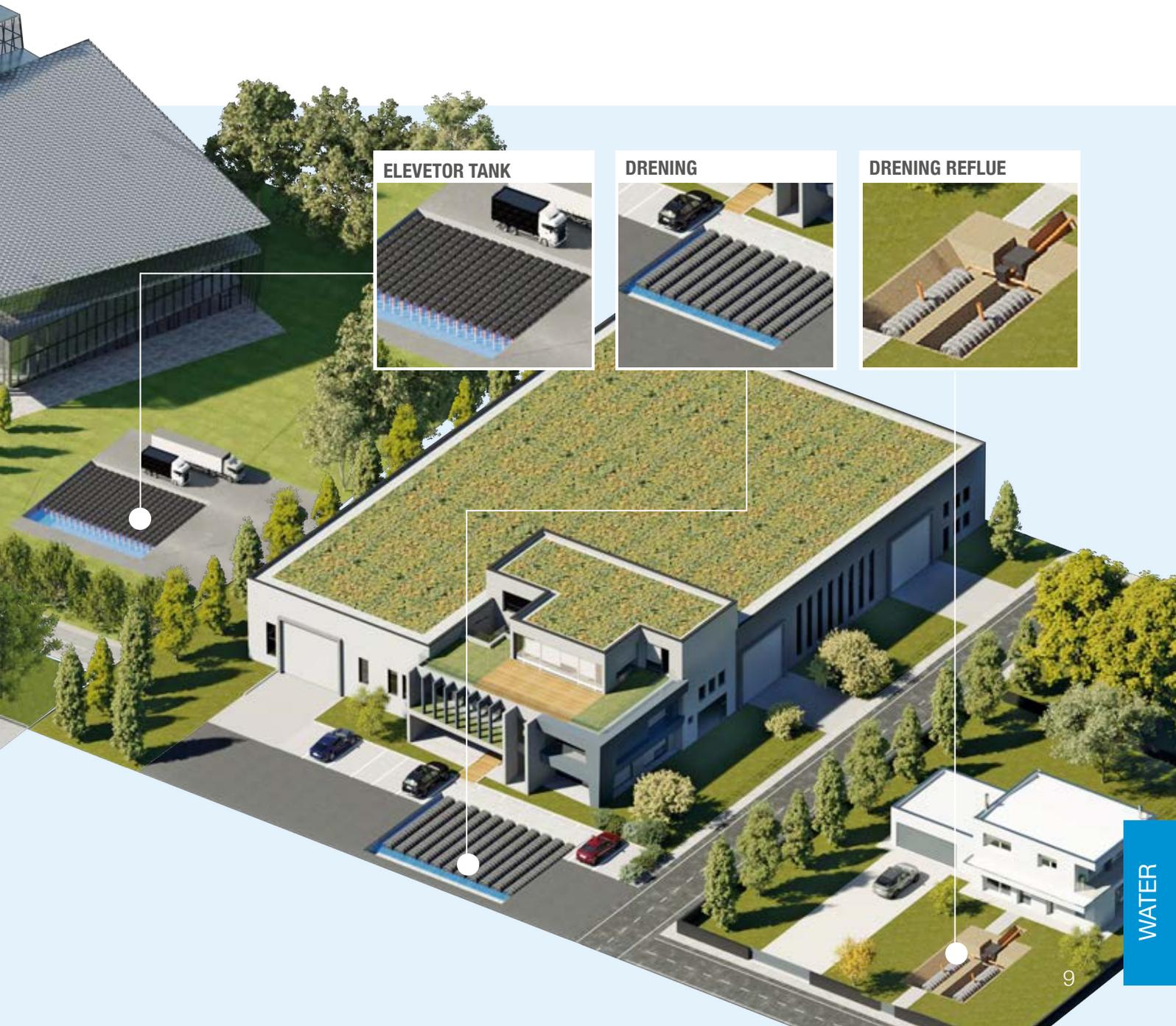


WATER

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



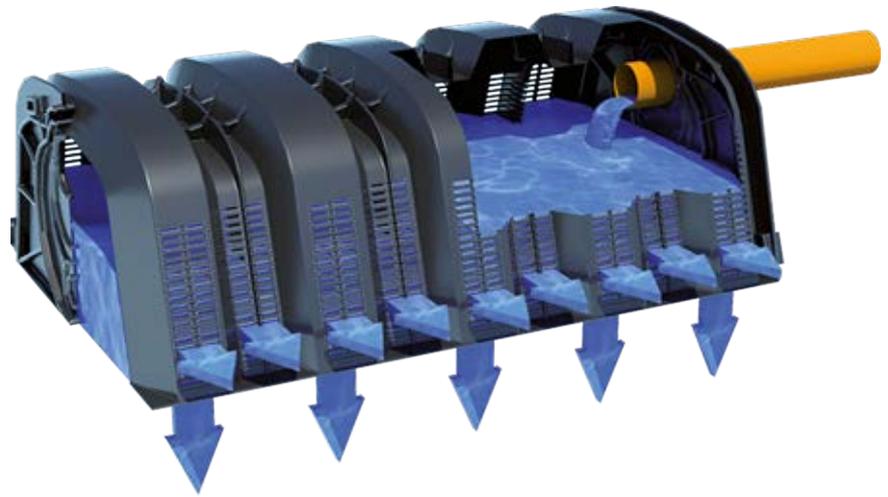
✓ INFILTRATIONS TANKS

✓ 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**

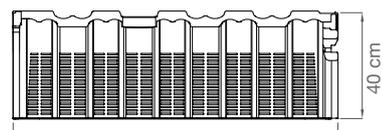


**UNIVERSAL
SOLUTION**



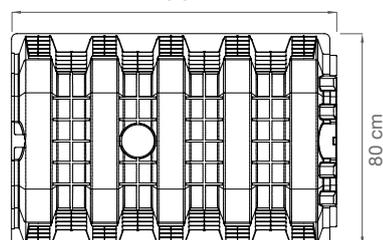
TECHNICAL DATA

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

DRAINPANEL

MODULAR ELEMENT FOR STORMWATER MANAGEMENT



✓ INFILTRATION BASINS

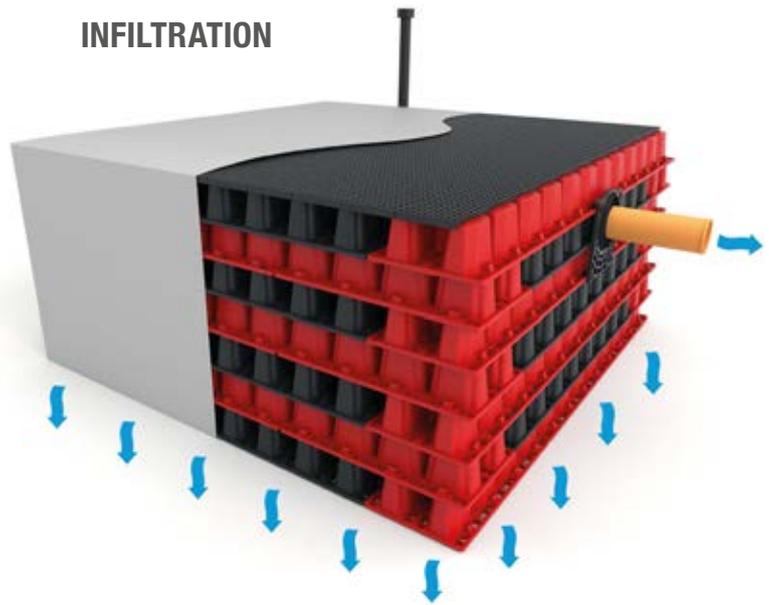
✓ ATTENUATION TANKS

✓ 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**



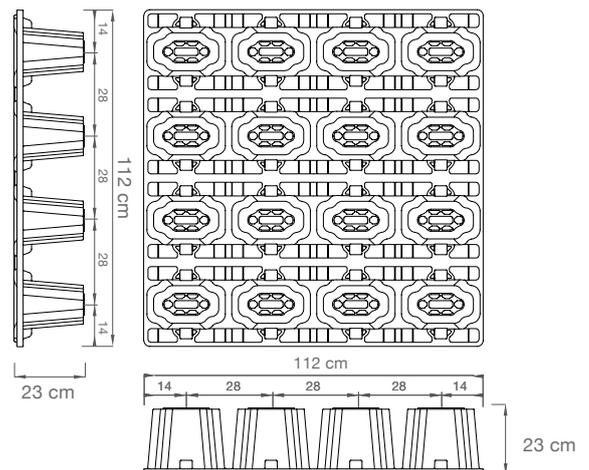
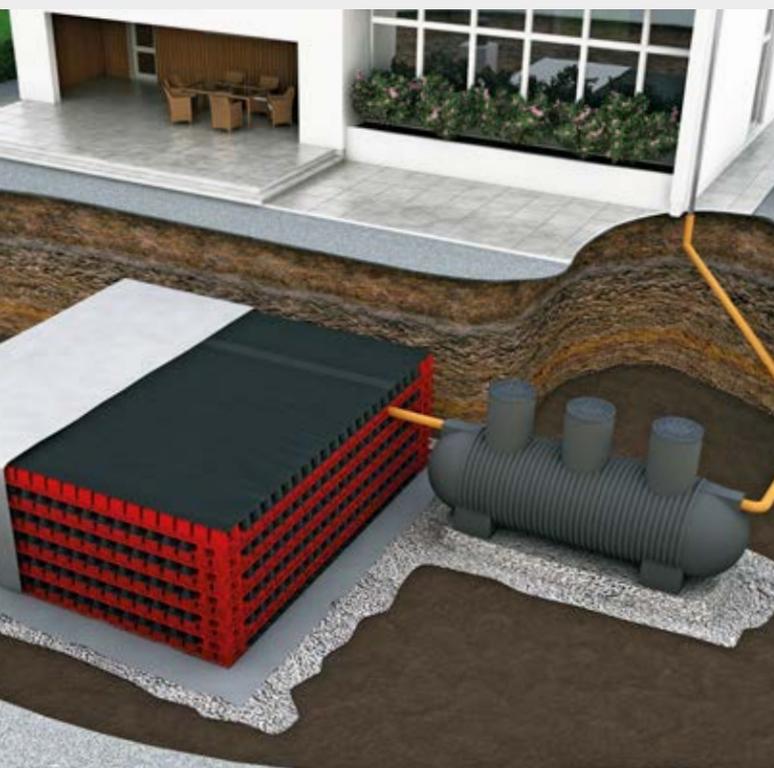
**OVERLAY
ELEMENT**



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

fast and easy installation



PATENTED



high load resistance



96% void ratio



✓ 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
			



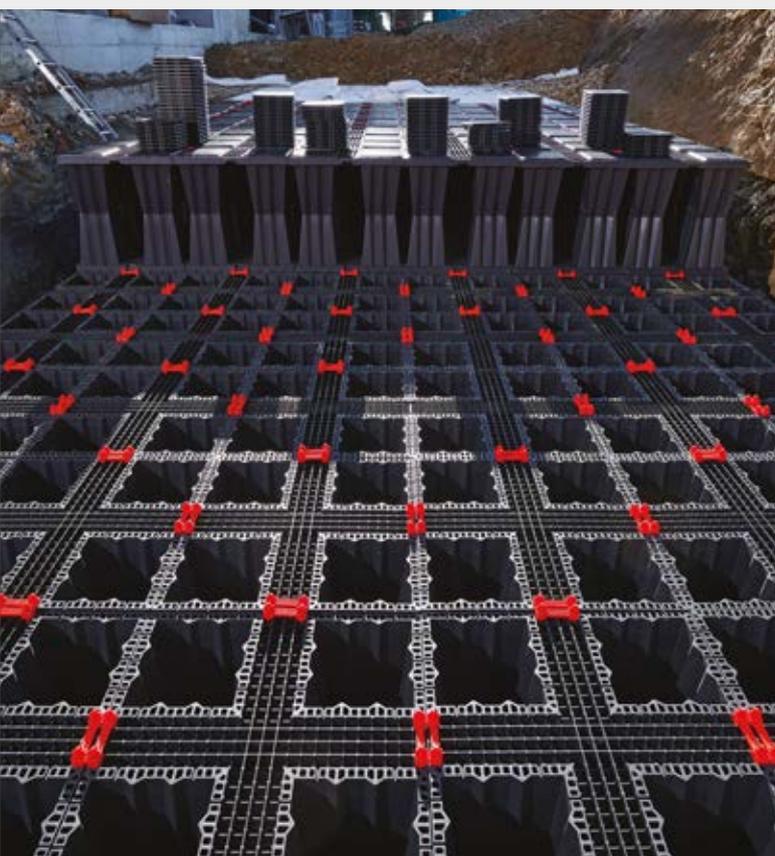
**HIGH
RESISTANCE**



**HIGH STORAGE
CAPACITY**

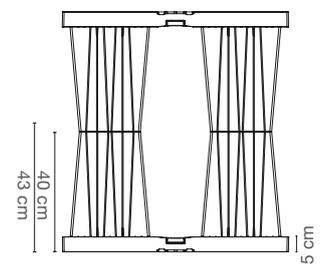
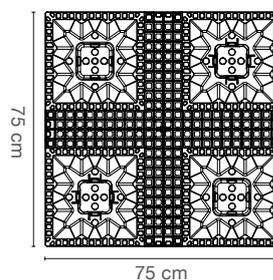


INSPECTABLE



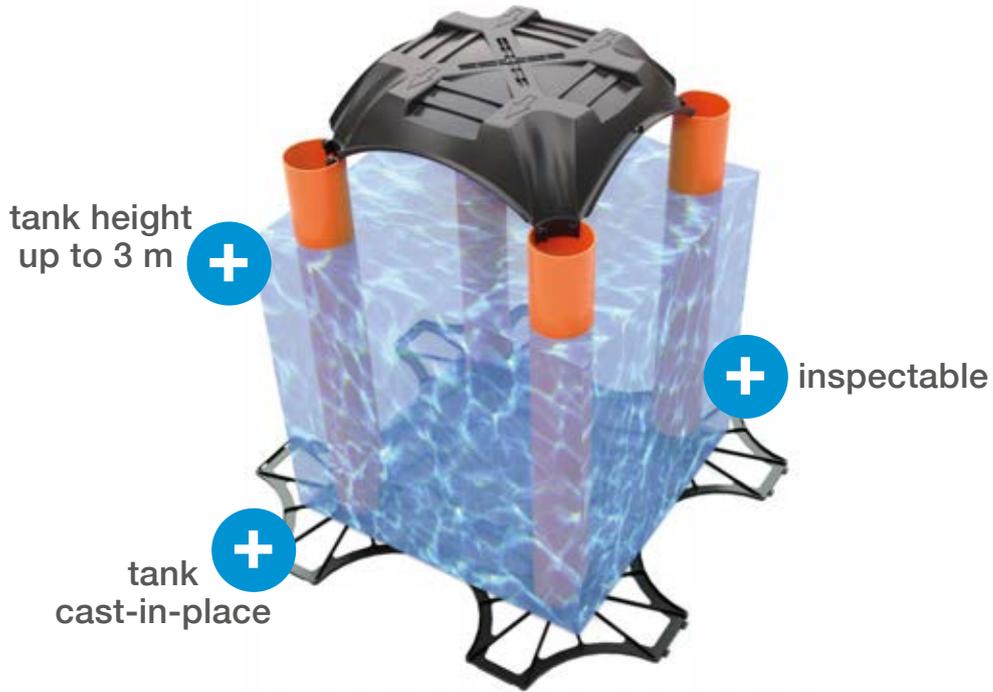
TECHNICAL DATA

	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)	75 x 150 x H255			
Number of pieces	80			



ELEVATOR TANK

PERMANENT FORMWORK FOR REINFORCED CONCRETE WATER STORAGE TANKS



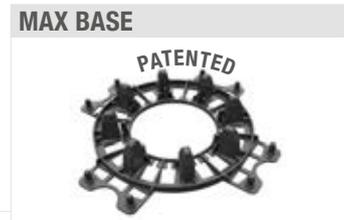
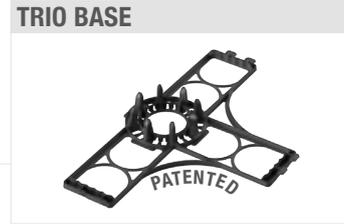
✓ **STORMWATER ATTENUATION AND STORAGE TANKS**

✓ **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.



QUICK INSTALLATION



STABLE AND SAFE

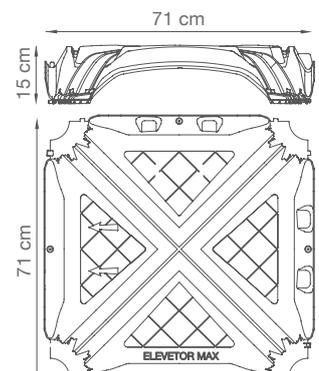
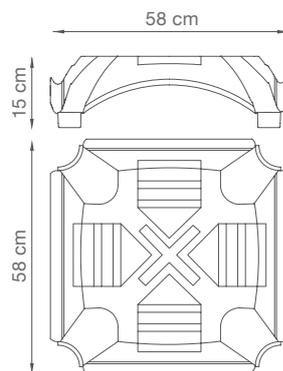


STRENGTH

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

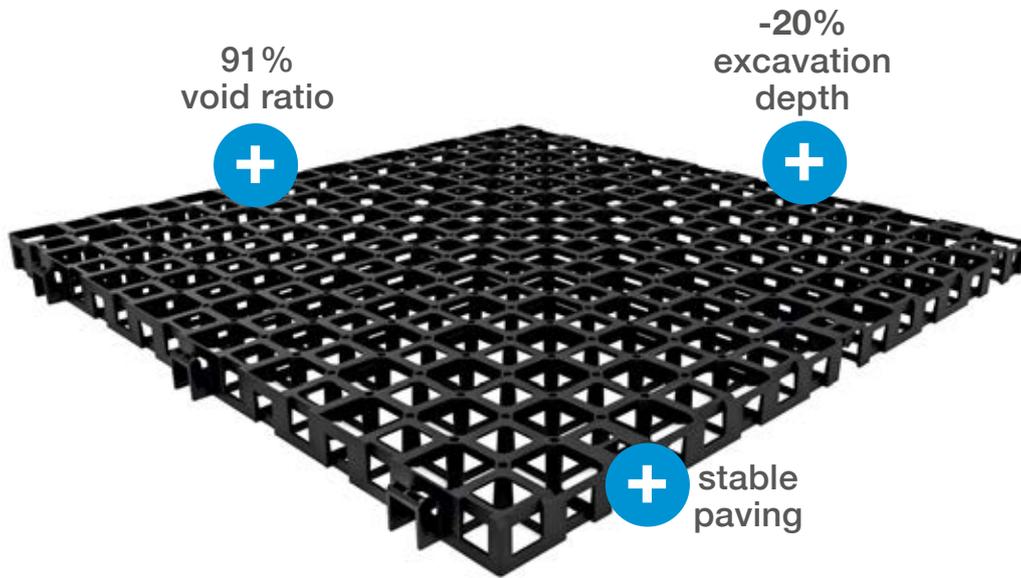
TECHNICAL DATA

	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

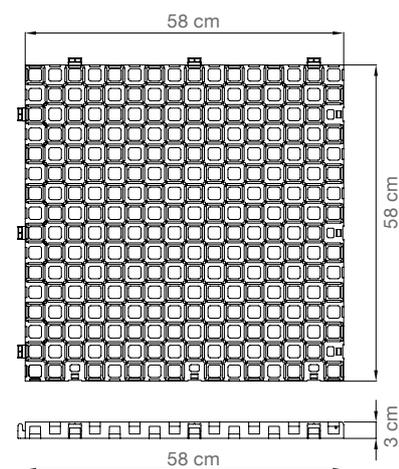


**HIGH
OUTFLOW**



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.

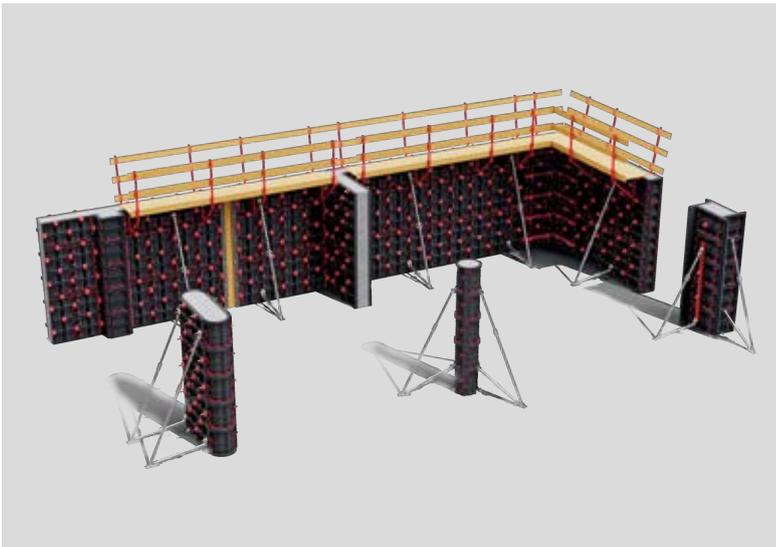


OTHER GEOPLAST SOLUTIONS



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

FOUNDATIONS



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

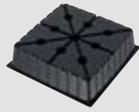


Geoplast void-former solutions reduce the weight of roof slabs, improving the seismic response of buildings and reducing the consumption of concrete and steel.

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

SLABS

PRODUCT

FOUNDATIONS		<p>MODULO Sacrificial formwork for lightweight void fills and crawl spaces.</p>		<p>GEOPOD Modular permanent formwork for raft slabs in compliance with as 2870-2011.</p>
		<p>MULTIMODULO Sacrificial formwork for lightweight void fills and crawl spaces.</p>		<p>MATRIX Formwork for concrete floating floors with MEP installations.</p>
		<p>NEW ELEVATOR Sacrificial formwork for light-weight void fills and landscaping projects up to 3 m high.</p>		<p>BIOMODULO Sacrificial formwork for air diffusion in composting plants and biofilters.</p>
		<p>SKYNET Formwork for lightweight void fill in compliance with building codes.</p>		<p>DEFENDER Modular panel for the protection of basement walls.</p>
FORMWORKS		<p>GEO PANEL Formwork system for walls and foundations.</p>		<p>GEO TUB Circular column formwork.</p>
		<p>GEO PANEL STAR Adjustable square and rectangular column formwork.</p>		<p>GEO SKY Flat slab formwork.</p>
		<p>GEO TUB PANEL Square and rectangular column formwork.</p>		
SLABS		<p>NEW NAUTILUS Void-former for two-way reinforced concrete ribbed slabs.</p>		<p>SKY RAIL Reusable technopolymer formwork for one-way ribbed slabs.</p>
		<p>NEW NAUTILUS EVO Void-former for two-way reinforced concrete ribbed slabs.</p>		<p>AIR PLAST Void-former for one-way slabs with flat soffit.</p>
		<p>SKY DOME Reusable technopolymer formwork for waffle slabs.</p>		

OTHER GEOPLAST SOLUTIONS



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.

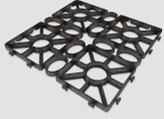
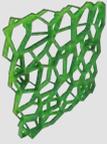
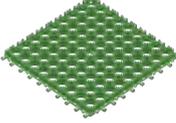
Synthetic surfaces for winter sports even without snow.

SPORT



Installation of the Completa green roof module

PRODUCT

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.
		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.		



Installation of the Runfloor paver





GEOPLAST INTERNATIONAL BRANCHES - A NETWORK OF 60 DISTRIBUTORS



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Building beyond together

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33172 DORAL (Miami), FL
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Geoplast South Africa
Potsdam Rd,
Milnerton Rural,
7441 CAPE TOWN, South Africa
Tel +27 (21) 556 8488

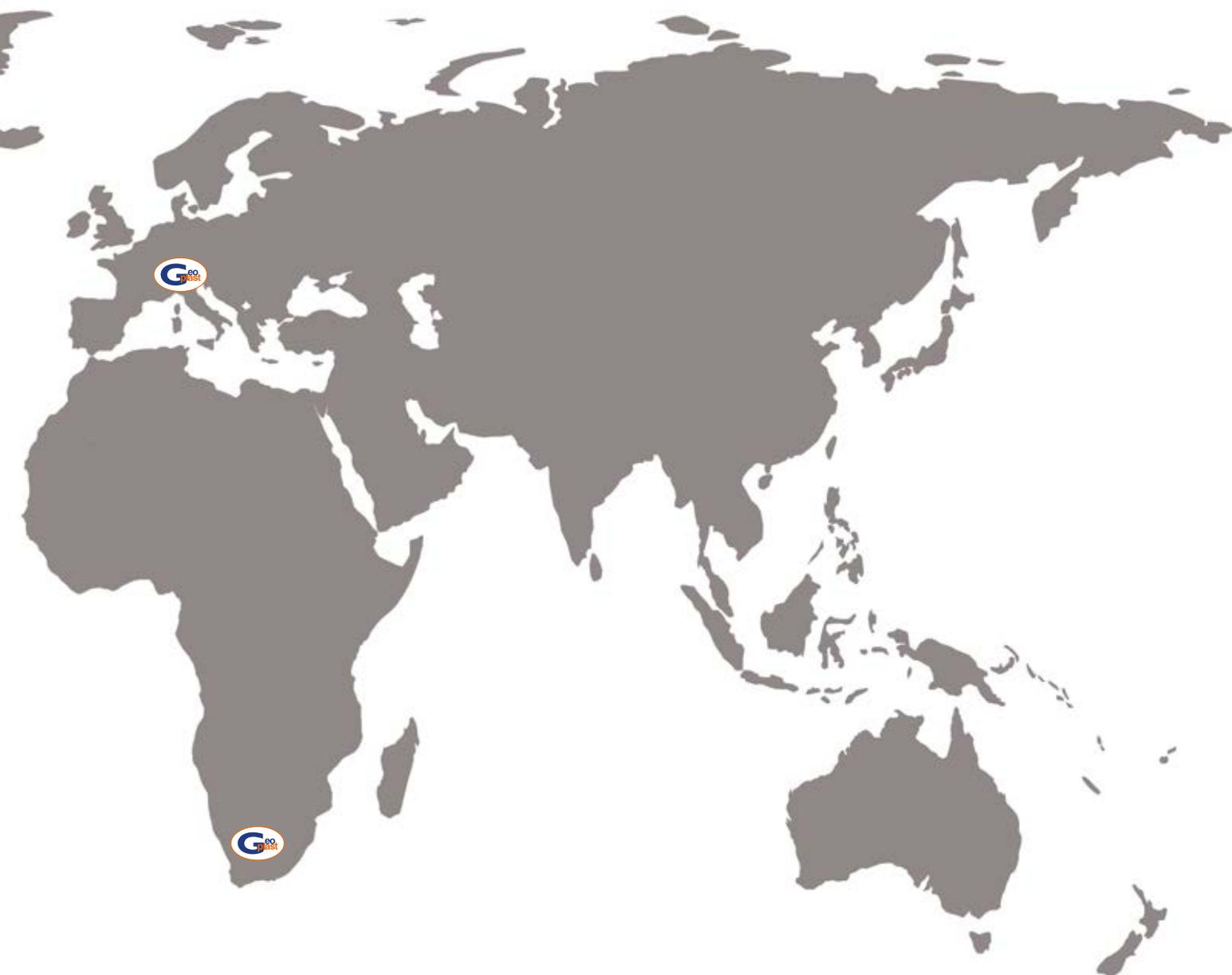
ALBANIA
ALGERIA
ANGOLA
ARGENTINA
AUSTRALIA
AUSTRIA
AZERBAIJAN
BAHAREIN
BELGIUM
BELARUS

BOLIVIA
BOSNIA
BRAZIL
BRUNEI
BULGARIA
CAMERUN
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CENTRAL AFRICAN REP.
CHILE
CYPRUS

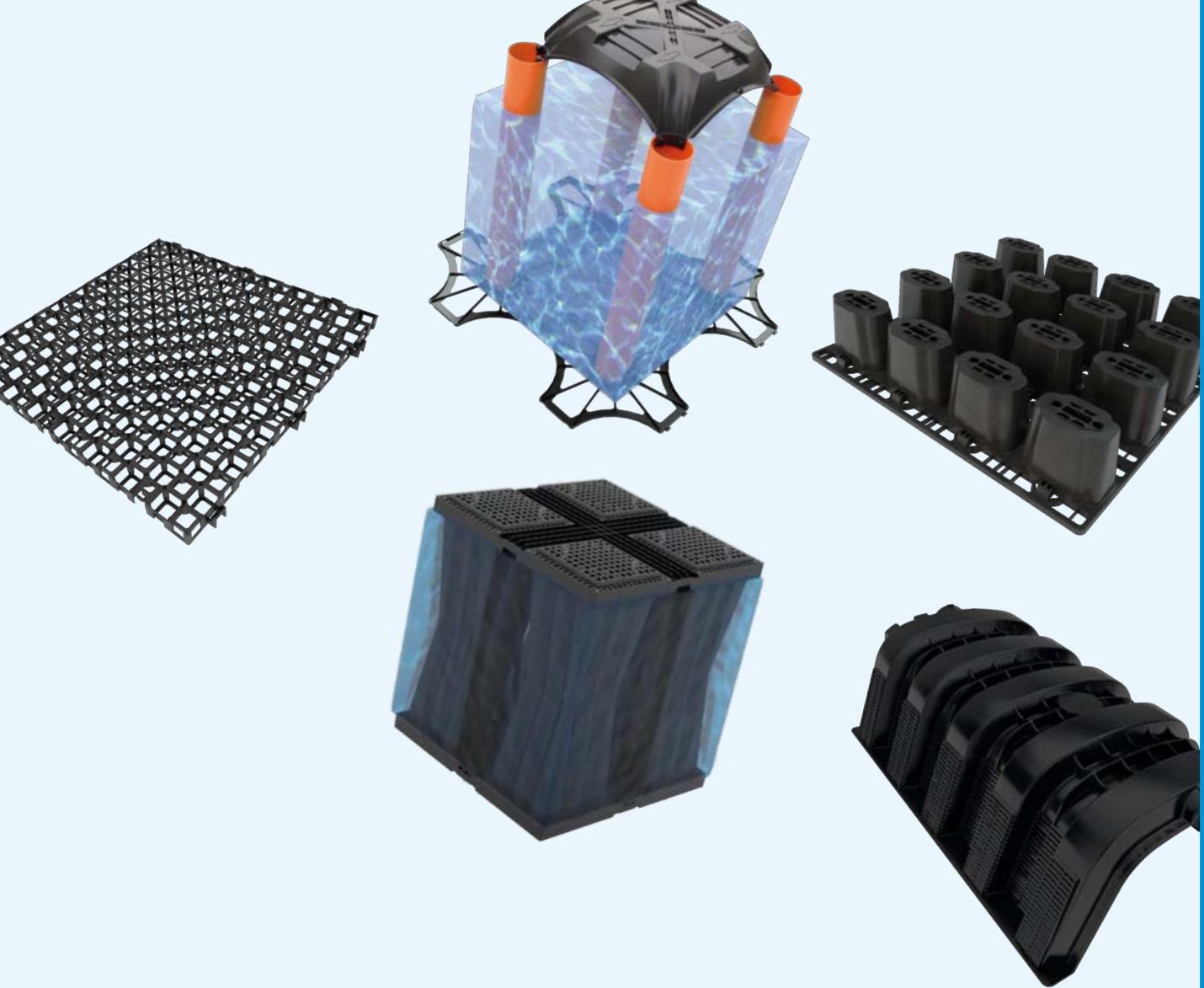
COLOMBIA
COSTA RICA
CROATIA
CZECH REPUBLIC
DENMARK
EGYPT
ESTONIA
FINLAND
FRANCE
GABON

GEORGIA
GERMANY
GHANA
GREECE
HUNGARY
INDIA
INDONESIA
IRAQ
IRELAND
ISRAEL

 **ITALY**
IVORY COAST
JAPAN
JORDAN
KAZAKHSTAN
KENYA
KUWAIT
LATVIA
LEBANON
LIBYA



LITHUANIA	MONTENEGRO	PHILIPPINES	SENEGAL	THAILAND
LUXEMBOURG	MYANMAR	POLAND	SERBIA	TOGO
MALAYSIA	NETHERLANDS	PORTUGAL	SINGAPORE	TUNISIA
MALI	NIGERIA	QATAR	SAINT MAARTEN	TURKEY
MALTA	NORWAY	REP. OF THE CONGO	SLOVAKIA	UKRAINE
MOROCCO	NEW ZELAND	REP. OF CHINA	SLOVENIA	UNITED ARAB EMIRATES
MEXICO	OMAN	DOMINICAN REPUBLIC	SOUTH AFRICA	UNITED KINGDOM
MOLDOVA	PANAMA	ROMANIA	SPAIN	UNITED STATES
MONACO	PARAGUAY	RUSSIA	SWEDEN	URUGUAY
MONGOLIA	PERU	SAUDI ARABIA	SWITZERLAND	VENEZUELA



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Building beyond together

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