

# eco cem

UHPC/GRC SOLUTIONS

COMPANY  
CATALOGUE



# TABLE OF CONTENTS

<b>OUR COMPANY</b>	<b>01</b>
<b>ARCHITECTURAL SOLUTIONS</b>	<b>02</b>
UHPC FACADES	03
3D TILES	08
STEPPING STONES	10
POOL COPING	11
DRAINAGE CHANNELS	12
KITCHEN COUNTER AND SINKS	13
<b>FURNITURE</b>	<b>14</b>
<b>OUTDOOR FURNITURE</b>	<b>15</b>
OUTDOOR BENCHES	15
OUTDOOR TABLES	16
OUTDOOR KITCHENS	17
BARBEQUES	18
FIREPITS	19
FLOWERPOTS AND PLANTERS	20
GARDEN LIGHTS	21
<b>INDOOR FURNITURE</b>	<b>22</b>
DINING TABLES	22
OFFICE TABLES	23
COFFEE TABLES	24
<b>CUSTOM MADE</b>	<b>25</b>
<b>ONGOING PROJECT</b>	<b>26</b>

# OUR COMPANY

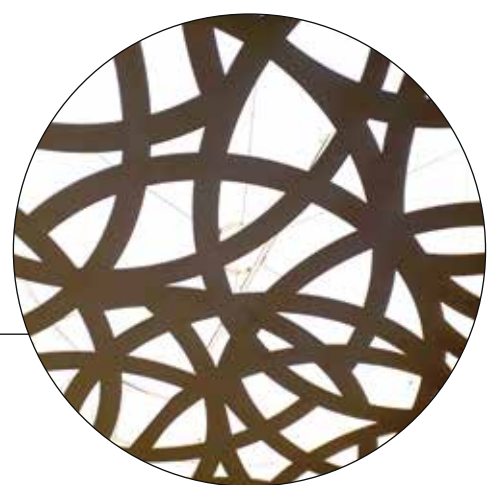
Ecocem is a Cyprus based company mainly focused on decorative concrete and UHPC products. Our mother company is DCS Ltd. which has many years of experience and has played a role in most of the big projects on the island.

Our expertise with materials such as Ultra High Performance Concrete in combination with wood, resin, epoxy and metal allow us to offer the right choices and to satisfy our client's needs and budget.

Our main inspiration comes from nature and our vision is to offer natural, comfortable and functional products to enrich each individual project.



# ARCHITECTURAL **SOLUTIONS**



# UHPC FACADES



# CONCEPT

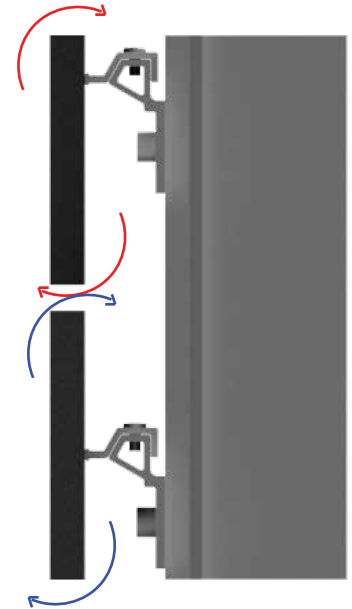
A Ventilated Façade System acts as an envelope around the building. It is made of outer panels covering an insulated backing wall which is separated by a ventilated cavity.



GRC printed indoor façade panels  
Project: Loft Suite Project, Limassol, Cyprus

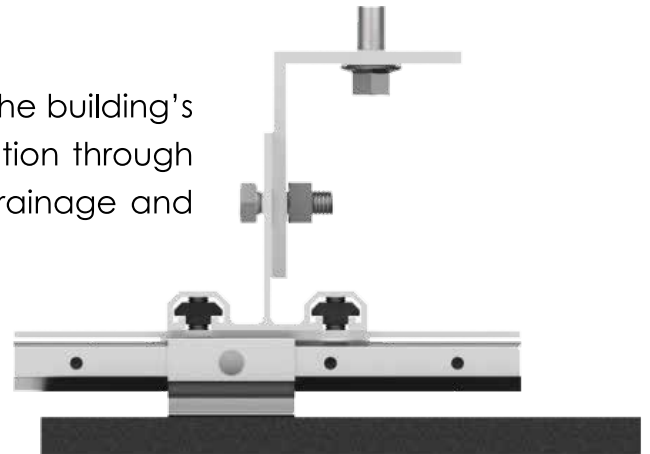
## NATURAL VENTILATION & VAPOUR PERMABILITY

Thermal insulation and ventilation both have a huge impact on the microclimate of a building. The recommended air gap to have the best results is 40-80mm. This air gap helps regulate the building's temperature during the seasons' extreme climate conditions. The ventilated systems help the building to breathe and relieve it of condensation. The air flow and insulation lets any vapour or humidity from the building evaporate and avoid the build-up of moisture and microorganisms on the building's face. This eliminates the need for extra mechanism to generate the same effect that our suspended facades produce naturally and more economically.



## WATERPROOFING

The air gap provides a great rain screen to protect the building's face and protect it from the weather. Any penetration through will be stopped by the air gap and removed by drainage and ventilation.



## SOUND PROOFING

The air gap between the heat insulation and cladding system also provides for great sound insulation, especially useful in urbanised areas.

# EXCELLENT OUTER APPEARANCE

With our range of materials, combinations between them and designs we can create a unique look for you that will help your building stand out from the rest.

## **Fire resistance**

Some materials used to make the cladding are fire resistant, others have a non-burning core or are mounted at a specific height that prevents fires, according to the European regulations for fire safety. The combination between these qualities increase the system's fire resistance significantly.

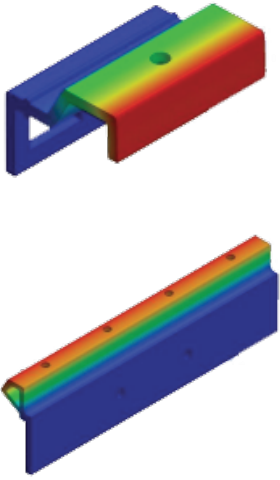
## **Energy savings and efficiency**

Energy savings has been the number one topic for a few years now because of the earth's decline in health which is obvious through climate change. With our system, your building will be a little greener because of its energy saving aspect. The correct implementation of the VFS design can reduce energy losses and expenses, increase the comfort of the premises, ensure healthy surroundings and contribute to environmental protection.



## ECOCЕМ VFS/CLADDING SYSTEM

The ECOCEM Cladding System is designed for invisible mounting of ECOCEM fibre cement panels used in the Ventilated Façade System. The undercut anchors, minimal system accessories and designed profiles allow secure and accurate mounting of ECOCEM fibre cement panels less than 25mm thick. The ECOCEM Cladding System uses custom fixing anchors that are cast inside each block to guarantee the connections between the façade material and the main profiles of the system. This system has many advantages such as the perfect appearance of the façade with no visible cladding, anchors or pins.

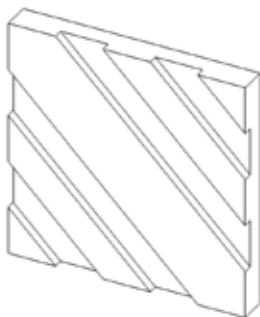
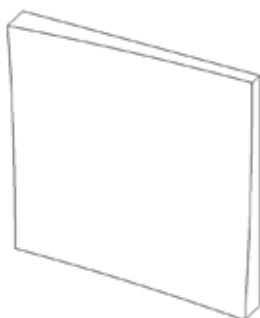
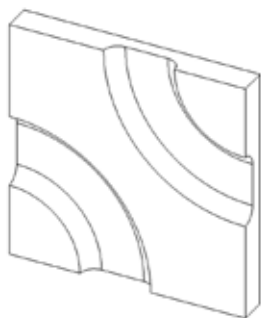


Analysis of Static and Dynamic Loads

Providing speed, security and accuracy of mounting and maintenance is also an important parameter for the high quality ECOCEM VFS/Cladding System. Specially designed to decrease the production and mounting time, ECOCEM Ventilated Façade Systems in conjunction with the Cladding Systems are the preeminent solution for large façades, short deadlines, safety and excellent appearance. A big advantage in the polluted urban environment is the easy cleaning of the materials.

Made of aluminium, a material which is fully recyclable, ECOCEM VFS/Cladding Systems make a contribution to the creation of a sustainable building envelope throughout the complete building lifecycle. This also provides flexibility to use different thicknesses of façades ranging from 10mm to 25mm. Overall the system is a secure and fully functional installation which covers the entire project and guarantees a complete system solution.

# 3D TILES

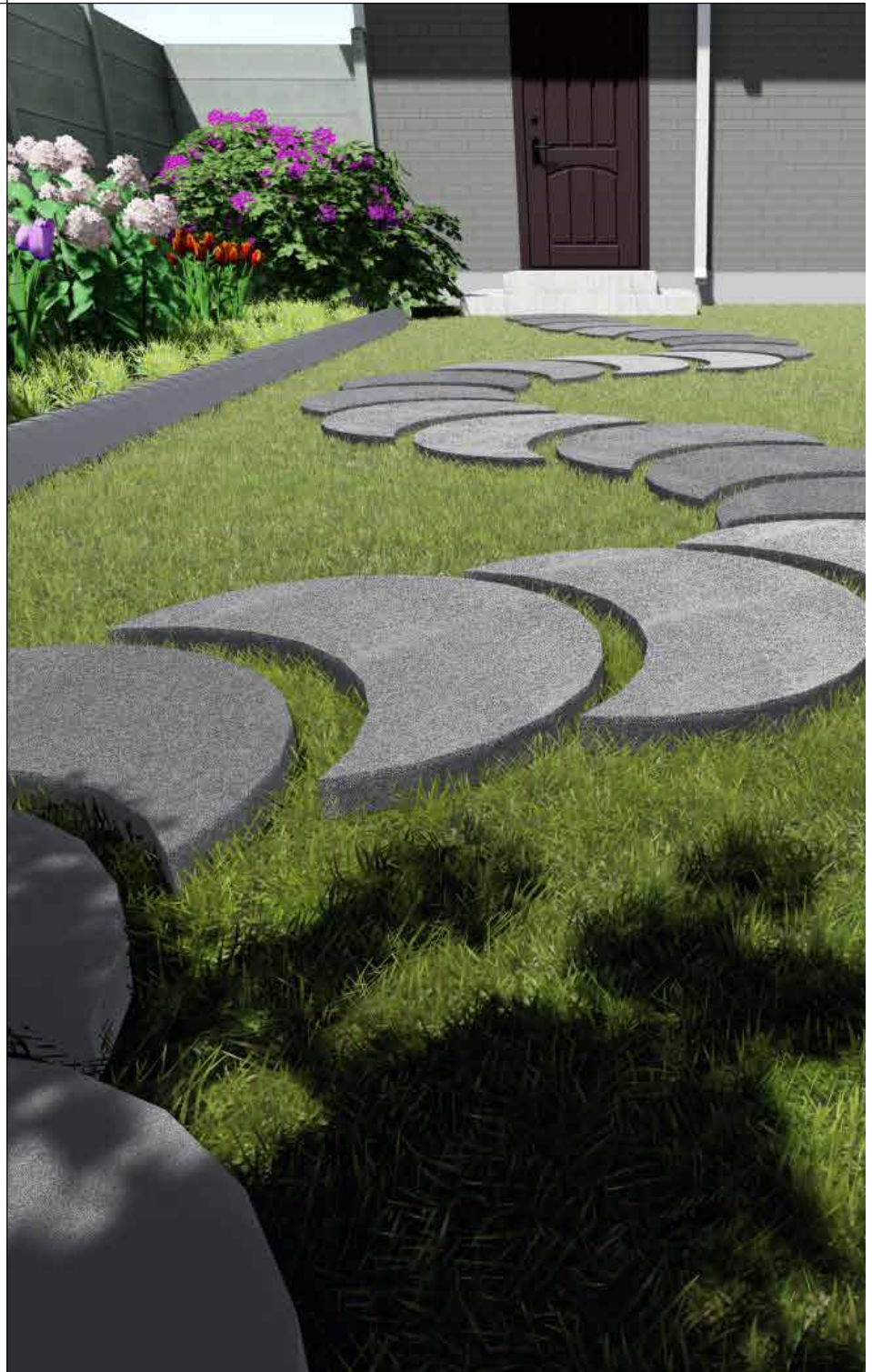
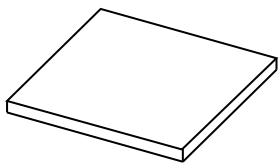
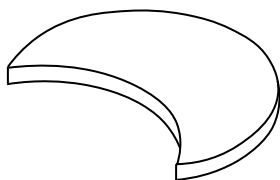
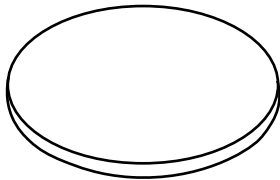
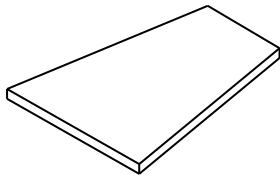


# 3D TILES

Using our collection of 3D tiles is the best way to give an artistic feel to your space. They are available in a variety of colours, textures and mixtures of fair face and exposed textures as well as combinations of different materials. Our 3D tiles are made for both indoor and outdoor surfaces. We are able to create custom shapes which provide limitless opportunities for freedom of expression. Turn your space into a living sculpture or a work of art that makes a statement.

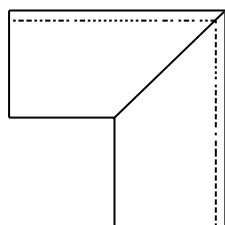
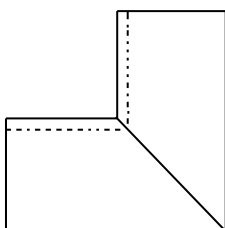
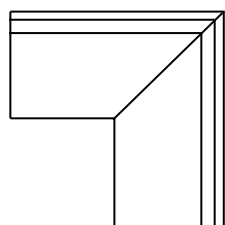
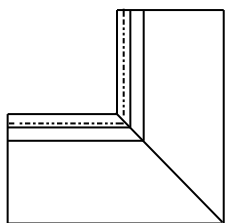


# STEPPING STONES



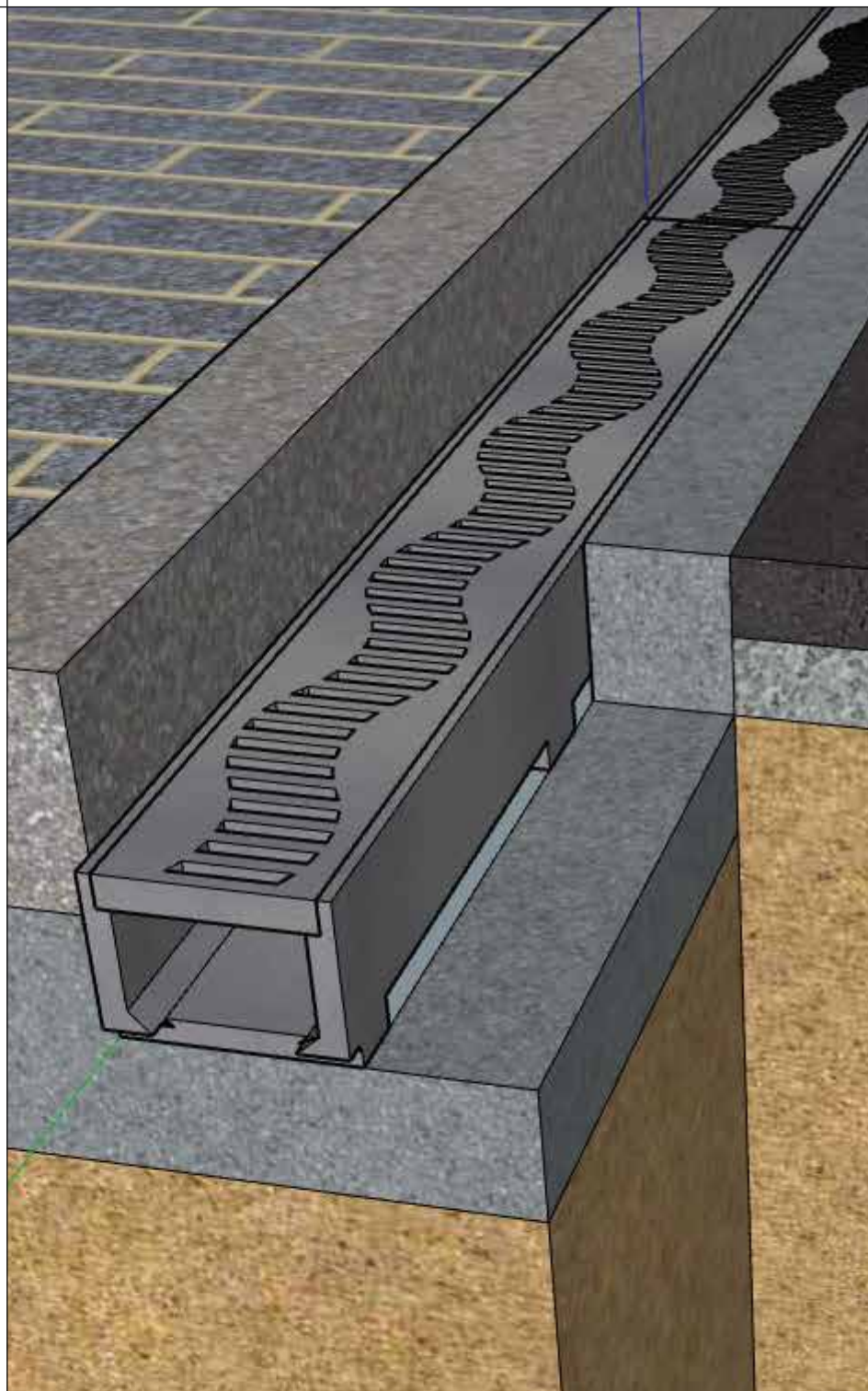
# POOL COPING

Precast concrete coping is available in many textures, patterns and colours. Their installation is easy and fast and they provide a distinctive look to your pool area. Our 3 different designs of pool coping are made of UHPC concrete and their rough texture has an anti-slip effect. We also offer the same colours and textures in stepping stones and tiles that will create a coordinated appearance and flow to your indoor and outdoor spaces. One section can be assembled to create different patterns.

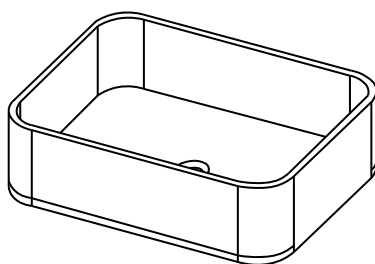
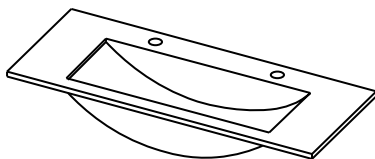
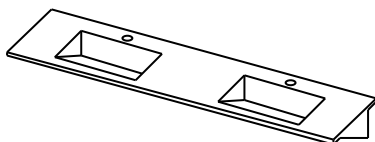
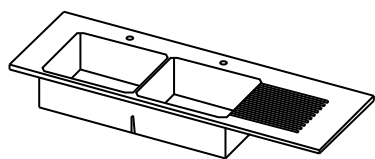


# DRAINAGE CHANNELS

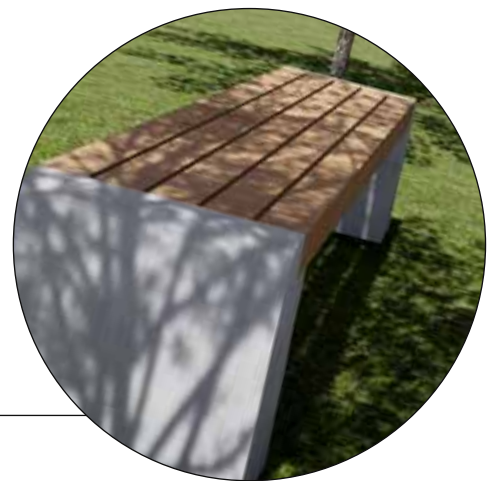
We have designed a range of concrete drainage channels and road gullies suitable for residential, industrial, sport centre and urban use. Our drainage channels and gratings are both made of fibre reinforced Ultra High Performance Concrete. The gratings can be fashioned with many unique and creative designs as well as choices from our facade collection. We can also create bespoke gratings to order.



# KITCHEN COUNTERS & SINKS



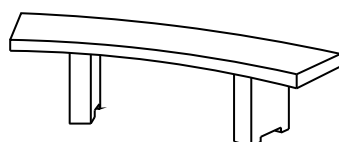
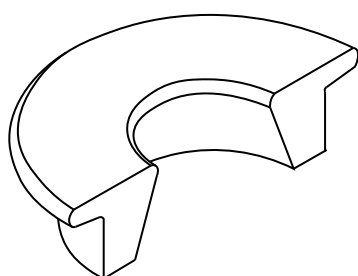
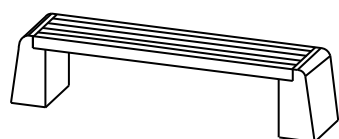
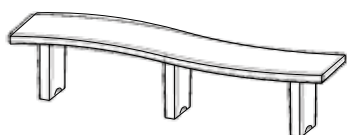
## FURNITURE SOLUTIONS



Concrete is one of the most creative materials when it comes to shape, textures and colours. The versatility of concrete has led to freedom of expression in many sophisticated products and shapes including furniture, sculpture and art. It will last for many years and can be used indoors and out. Using the most modern techniques and available aggregates we can create stylish pieces that set a natural but at the same time modern tone in any space from the house to the office, street, park and public venues.

# OUTDOOR FURNITURE

## OUTDOOR BENCHES



# OUTDOOR FURNITURE

## OUTDOOR TABLES



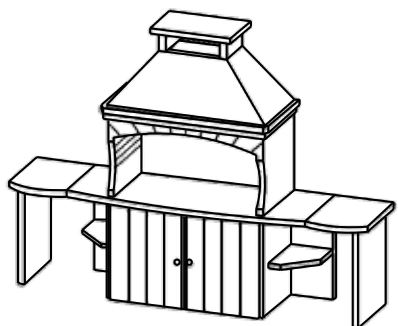
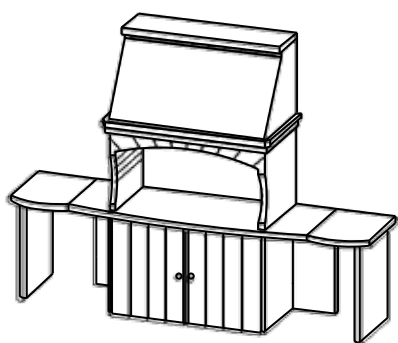
# OUTDOOR FURNITURE

## OUTDOOR KITCHENS



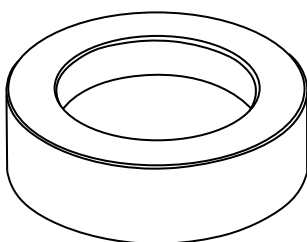
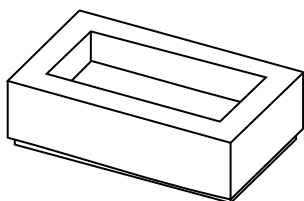
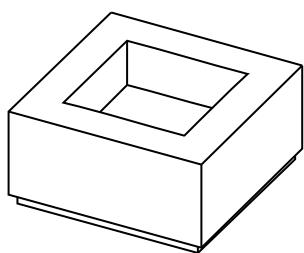
# OUTDOOR FURNITURE

## BARBEQUES



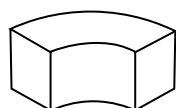
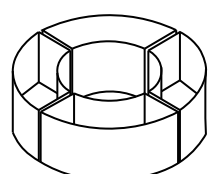
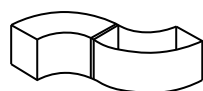
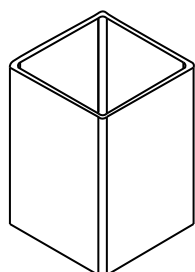
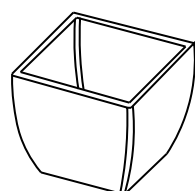
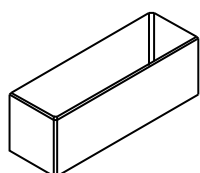
# OUTDOOR FURNITURE

## FIREPITS



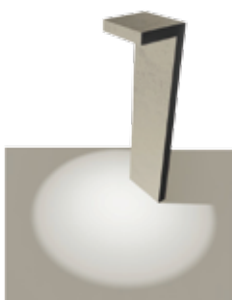
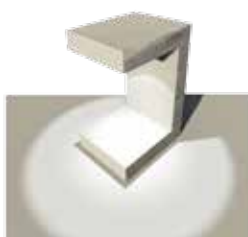
# OUTDOOR FURNITURE

## FLOWERPOTS & PLANTERS



# OUTDOOR FURNITURE

## GARDEN LIGHTS



# INDOOR FURNITURE

## DINING TABLES



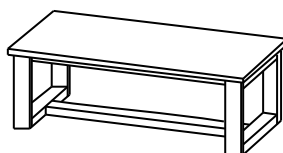
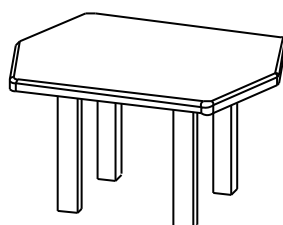
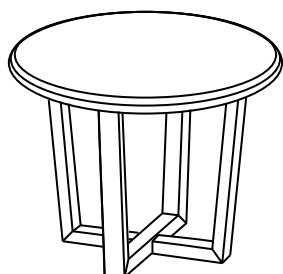
# INDOOR FURNITURE

## OFFICE TABLES



# INDOOR FURNITURE

## COFFEE TABLES



# CUSTOM MADE

Our company also provides the service of crafting your designs or other original designs using our experienced employees' guidance and sustainable materials. From furniture to facades anything you can think of we can make a reality.



# ONGOING PROJECTS



Manufacturing and installation of Ultra High Performance Concrete panels for façade of New Municipal Market of Larnaca (Lois Builders). Pattern panels are 4.2m x 2.3m and thickness of 16cm and weight of 3000 to 4000 Kg each. Plain panels are 1.25m x 2.3m and thickness of 2.5 cm and weight of 175 kg each. Round ceiling panels are made of PVC, diameters 3m, 4.6 m and 6m.



Manufacturing of plank wall blocks made of Ultra High Performance Concrete for Minthis Hills Hotel at Paphos, Cyprus (Pafilia)

# ONGOING PROJECTS



Installation and supply of special façade for residential building at Limassol, Cyprus / perforated honeycomb panel with concrete surface (Cyfield)



Installation and supply of louver made of aluminium honey comb and aluminium surface for commercial building at Limassol, Cyprus

# eco cem

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