

Arch.  
GOODS

VPI

DESIGNS

AND

PRODUCES

ADVANCED

CONCRETE

FURNITURE

FOR

PUBLIC

SPACES.

BOOK

**VPI DESIGNS AND PRODUCES  
ADVANCED CONCRETE FURNITURE  
FOR PUBLIC SPACES.**

**THE COMPANY WAS FOUNDED BY  
ARCHITECTS TO INVENT A NEW  
INTEGRITY IN DESIGN AND TECHNOLOGY  
OF CONCRETE PRODUCTS AND THEIR  
FUNCTION IN PUBLIC SPACES.**

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**VPI IS ABOUT CONCRETE,  
AND THIS BOOK IS ABOUT VPI.**



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# THE REVOLUTION OF PUBLIC SPACES

THE UNSTOPPABLE CHANGES  
OF URBAN LIFE

The revolution of public spaces is an ongoing and unstoppable process. A lot is being said about the radically changing quality of urban life and the gradually growing importance of amiable squares, streets, and alleys in our cities but, this revolution, which started about three decades ago, is most importantly not about the spaces and not about the cities. It is about the people.

## Locations to love

This period is a wonderful opportunity for architects, landscape architects and builders to create imaginative, adorable, and fascinating public spaces. People have finally started to take over their own areas of residence. They have started to live in their cities in a new, more delightful way. They walk, talk, sit, eat, read or cycle on every possible spot and, fortunately, they have more and more opportunities to do so. And the environment people live and spend their time in should be nice and cosy. It needs to be pleasant. It needs to be a location that is easy to love.

## Inspiring furniture

Good street furniture items do not only help make these places look pleasing and attractive but, with the revolutionary changes, they offer even more. Simply put, they ought to be a great support for architects and landscape architects in creating remarkable locations as well as inspiring objects for the users. They must create an atmosphere on their own. They must be true to the revolution of public spaces. They ought to mean something. Something different everywhere they're installed in.

This is our ambition: to create pieces of furniture that are not only useful but meaningful as well. We create furniture that is not only pleasant to look at, but also makes one feel at home in the street. A furniture which is familiar yet brand-new. We aim to make furniture that has the air of freedom. The freedom of public spaces.







**WE AIM TO MAKE  
FURNITURE THAT  
HAS THE AIR OF  
FREEDOM.  
THE FREEDOM OF  
PUBLIC SPACES.**



# THE STORY OF THE DAGÁLY PROMENADE, BUDAPEST

Landscape architect:  
Design:

Objekt landscape architecture studio  
Fruzsina Fülöp, Renáta Paunoch, Péter István Varga

In 2016, Objekt landscape architecture studio redesigned a site close to the River Danube in Budapest. Before the reconstruction, this part of the shore was just a vacant, rundown area with a lot of waste and remnants of an industrial zone. After the construction was finished in 2017, the place came to life in an amazingly short time. Families, relaxing pensioners and happy dogs took over the site, and filled the formerly empty place with real life. It has been a pleasure to look at the KAVICS and CROMA benches we installed there as they genuinely and naturally became part of something so simple and yet so wonderful.

CROMA bench system, Dagály Promenade, Budapest, 2017











- < KAVICS benches, Dagály Promenade, Budapest, 2017  
> CROMA bench system, Dagály Promenade, Budapest, 2017











PÉTER ISTVÁN VARGA

**“OUR ACTIVITY IS A SHARED TERRITORY BETWEEN CONCRETE TECHNOLOGY, ARCHITECTURE, LANDSCAPE ARCHITECTURE, URBAN PLANNING AND PRODUCT DESIGN. WE ARE AT THE INTERSECTION OF THESE FIELDS OF EXPERTISE, WE ARE THE LINK BETWEEN THEM.”**

Péter Varga was one of the founders of VPI Concrete in 2011, and he has been the CEO of the company since the beginning. He received his Master's Degree and DLA in Architecture from the Budapest University of Technology and Economics. He's now a senior lecturer at the Moholy-Nagy University of Art and Design Budapest.

CEO of VPI Concrete

It was in a postgraduate art program at the Academy of Fine Arts Nuremberg that he had his first encounter with concrete, and it was love at first sight. At VPI Concrete, he has been involved in experiments and product design from the beginning. “Our activity is a shared territory between Concrete Technology, Architecture, Landscape Architecture, Urban Planning and Product Design. We are at the intersection of these fields of expertise, we are the link between them. Our work goes from detailed objects to large-scale urban spaces. The trinity of Technology, Design and Architecture constantly provides challenges that keep our company in perpetual motion. It is a guarantee of progress.

We didn't even have a garage to start from, there was no roof over our heads when we began to work with concrete and now, in the next few years, we are planning to play an important role in our field at both the Central-European and European levels. The challenge is always given, we just have to meet it.”

# THE FREEDOM OF CONCRETE

LIQUID STONE



Casting concrete is an ancient act. The objects formed from this material are meant to remain in their locations for long years. These solid, firm structures have the air of stone's eternity, and they give the impression of undeniable strength. Concrete is also a downright modern material. Its plasticity ensures that any kind of shape can be created from it. It offers a variability that is essential for the constantly changing urban life and the design inspired by it. Concrete is a source of power.

## Endless possibilities

Plasticity and solidity make concrete one of the most important materials of contemporary architecture and design. The wonderful qualities of concrete, combined with our unique technology, allow the creation of finely detailed shapes and surfaces unimaginable just a few years ago. The possibilities are limited only by our imagination.

## Concrete that inspires

Product designers make use of the possibilities offered by the concrete material to create a kind of furniture which acts as a great tool for architects and landscape architects. The freedom of concrete in these objects generates ideas that allow such liberty to live on in public space projects. It encourages people to use their towns and cities in brand-new ways.

## Spreading freedom

We have developed concrete mixtures specifically for durable and diverse urban furniture. They allow creating straightforward concrete objects without any alterations after casting. These objects have the look of solidity, the air of slenderness and the atmosphere of sensuality. They do not define the design or the usage of public spaces. They trigger design concepts. They create an atmosphere in which ideas are born. They furnish public spaces in a way that makes them easy to love. Through their material, shape and application, they are essential components of admirable and well-designed locations. They take the freedom of concrete everywhere.





**THEY CREATE AN  
ATMOSPHERE IN  
WHICH IDEAS ARE  
BORN. THEY FURNISH  
PUBLIC SPACES IN  
A WAY THAT MAKES  
THEM EASY TO LOVE.**



# SOFTNESS IN CONCRETE

Design:

Fruzsina Fülöp

KAVICS is our most inspiring concrete object. Casting its unique shape and smooth surface would have been impossible without a special concrete mixture. It was an excellent task to create an object that looks soft and delicate despite the robustness of its material. The result is a bit curious and controversial but beautiful concrete object.









FRUZZSINA FÜLÖP

**“THE DISTINCTIVE SMOOTH SPANS AND OVAL FORMS OF ORGANIC SHAPES CONVEY A POSITIVE EMOTIONAL MEANING TO US. THEREFORE, WE ASSOCIATE UNITY, FEMININITY AND HARMONY WITH THEM.”**

Awards: KAVICS–  
IDA Design Awards, Bronze Winner, 2017

Fruzsina Fülöp received her Master's Degree from the Moholy-Nagy University of Art and Design Budapest in Ceramic Art and Design.

Fruzsina's main work at VPI so far is KAVICS. With the design of KAVICS, the goal was to create an organic, outdoor concrete object. While working on the shape, Fruzsina created many alternatives in accordance with the continuous consultations. The final forms were selected after a long and thorough deliberative process.

“The distinctive, smooth spans and oval forms of organic shapes convey a positive emotional meaning to us. Therefore, we associate unity, femininity and harmony with them. For me, the creation of these shapes, apart from their special aesthetic role, means handling form and function as one single unit. By creating KAVICS, we constructed a novel object that shows softness in appearance and breaks with the traditional robustness of concrete.”

Product Designer







**WE LOVE  
CONCRETE**

# CONCRETE GRAPHICS

## Customized objects

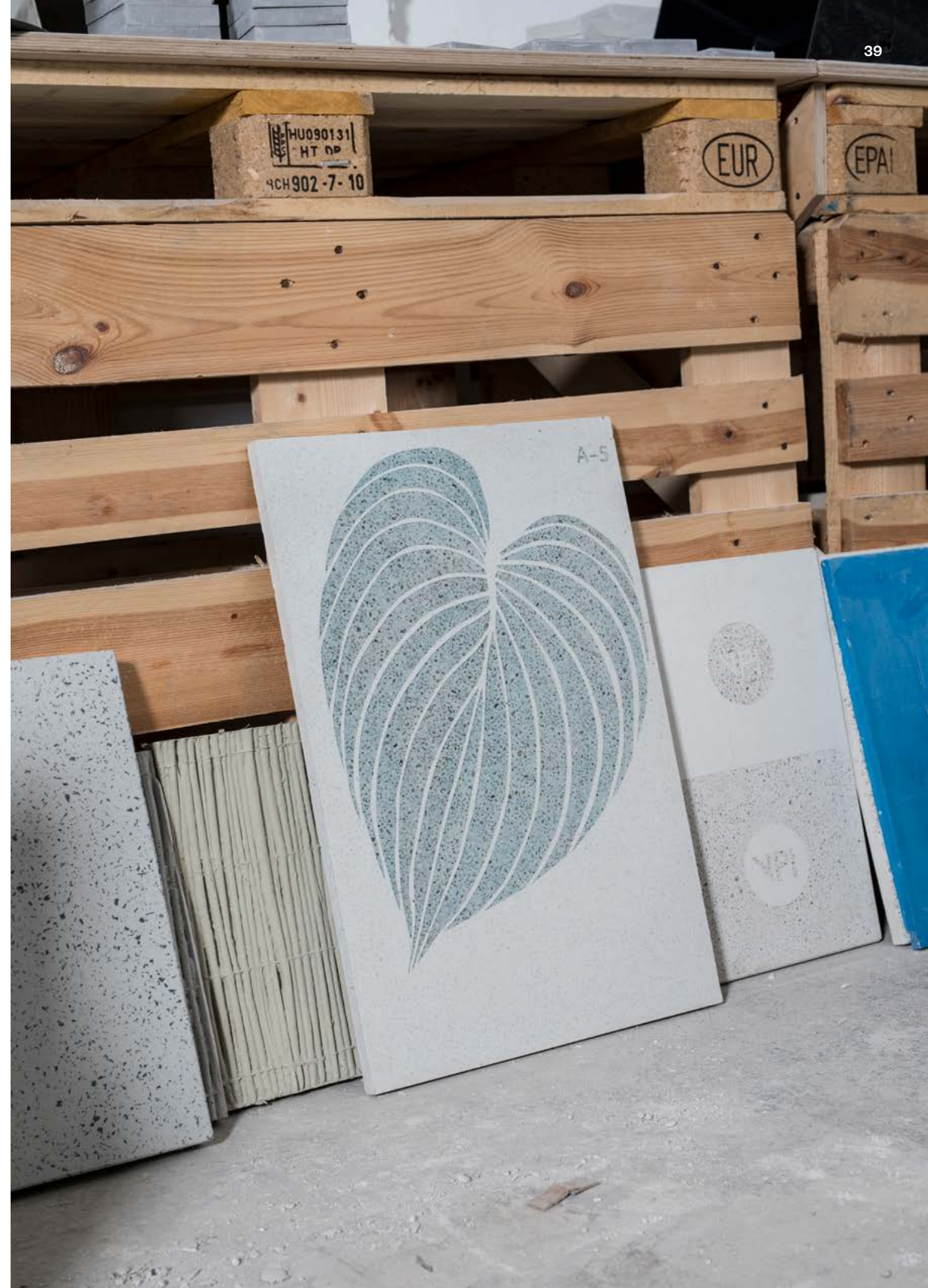
Concrete Graphics makes all our concrete objects unique. It allows modifying the surface and creating finely detailed graphic elements on it. It is possible to create any shape according to any need or idea. The variety of patterns is infinite.

## Technology

We developed the three types of Concrete Graphics in harmony with the qualities of our concrete. Greatly detailed patterns are enabled due to its high content of fine aggregates. The technology utilizes concrete's qualities and it's an integral part of the production process. Concrete Graphics is not an addition, but an inseparable component of the objects and, therefore, it never wears off or disappears. It remains part of their surface throughout their lifetime.

## Types of Concrete Graphics

Engraved	The external layer of cement is removed according to the desired pattern. The internal structure of concrete appears, and the pattern is provided by its contrast with the original surface. This type is well-suited for large motifs.
Painted	The place of the removed layer of cement is filled with a UV resistant and wearproof pigment. The contrast of the graphics is enhanced by the paint. It is especially suitable for small and detailed inscriptions.
Metallic inlay	Copper or stainless steel components are inserted into the surface during casting. The inlay is an integrated component of the objects: no freeze or vandalism can damage or remove it.







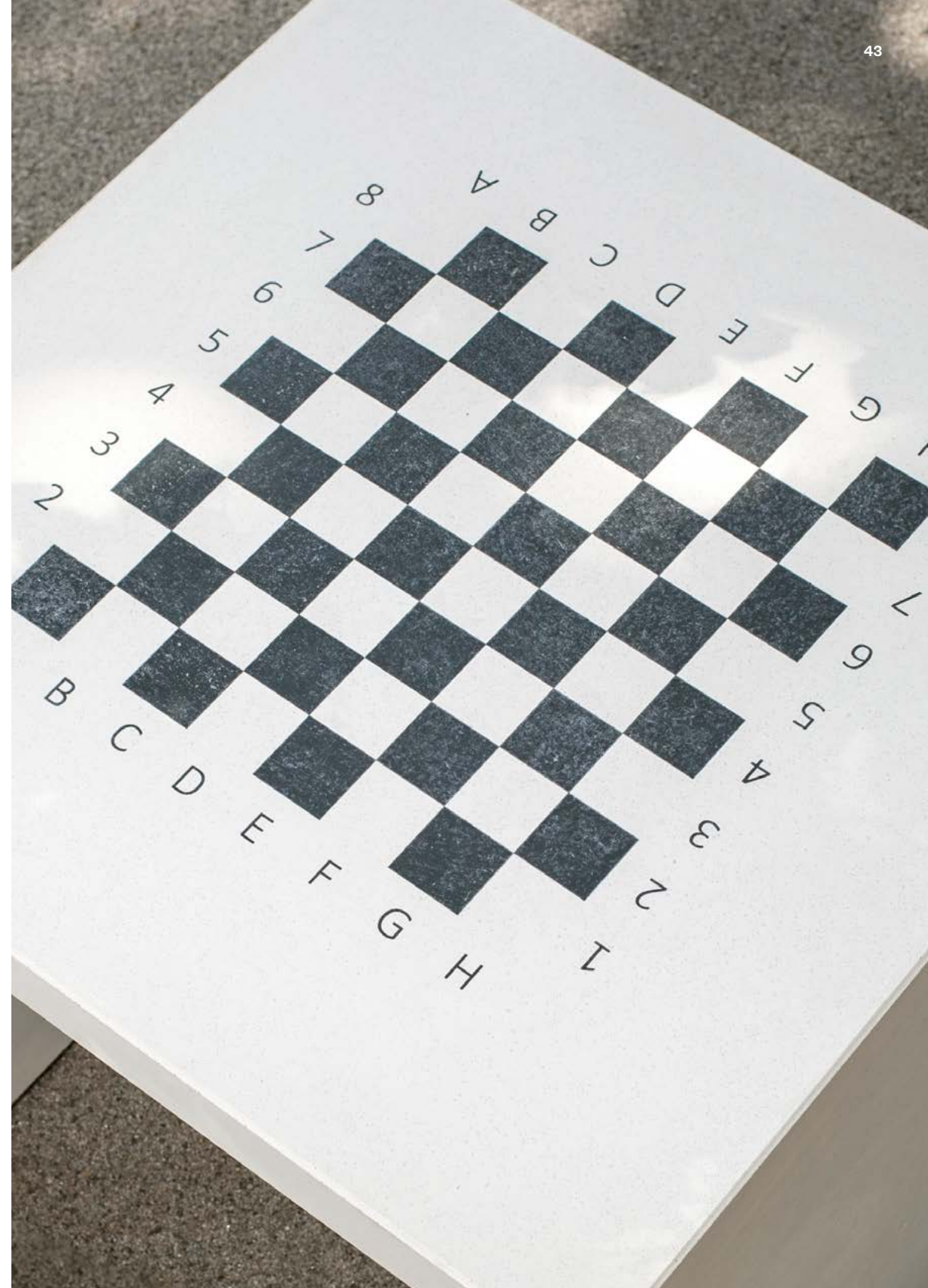


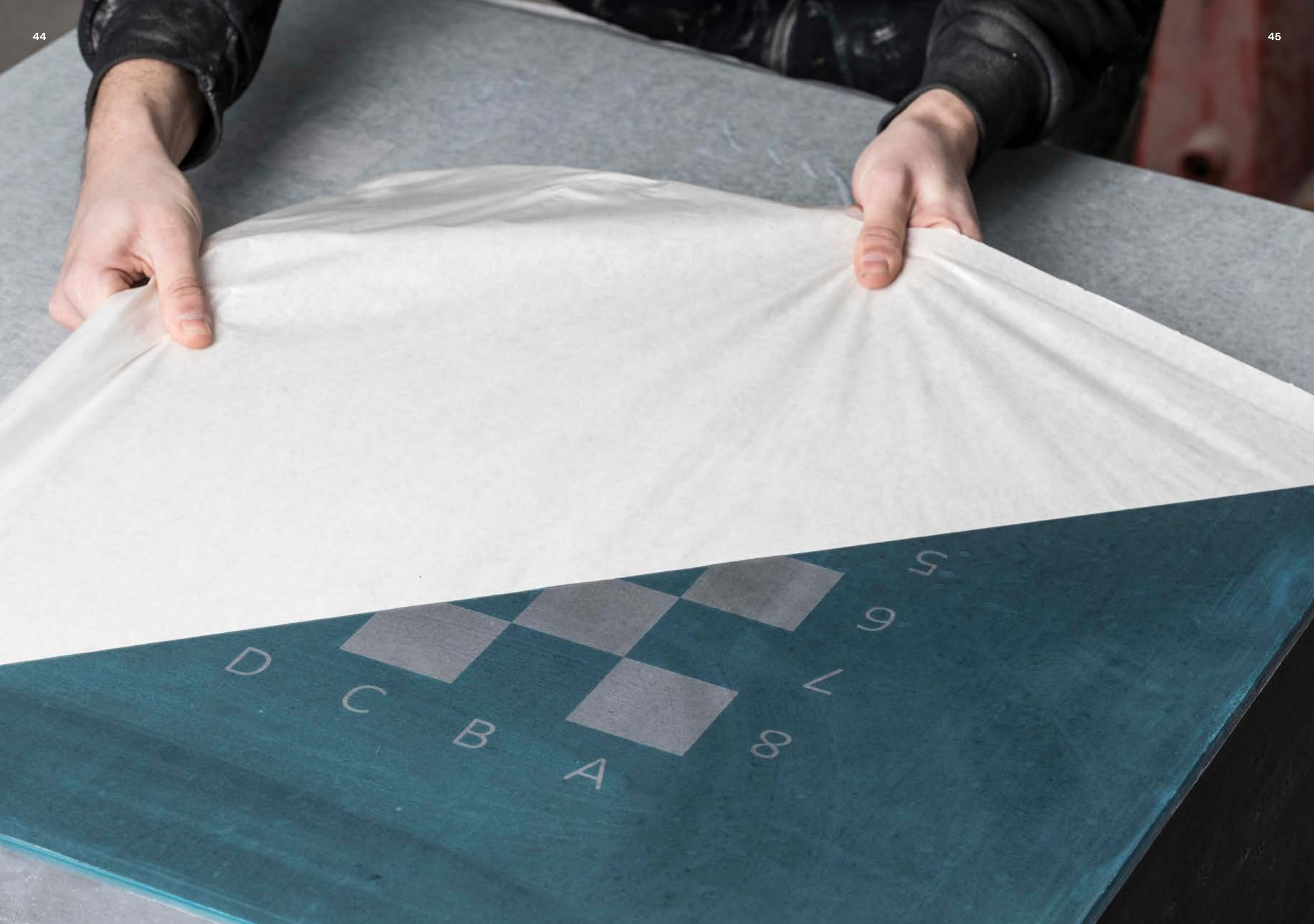
# CHESS TABLE

Design:  
Concrete graphic type:

Márk Nagy-Mihály  
Painted

Our concrete chess table is a simple yet wonderful demonstration of the use of Concrete Graphics. In this case, it is an inseparable part of the object since it provides the squares and labels for the game. The table is even suitable for professional purposes: the size of its squares is identical to the ones on chessboards currently in use in tournaments. The pattern on the chess table is an example of Painted Concrete Graphics: the removed cement layer was filled with pigment to create the required contrast with the colour of concrete. The object and the pattern on it are both really durable.







# LOCAL HISTORY TOLD IN CONCRETE **AND** METAL

Graphic design:  
Concrete graphic type:

Katalin Fábry  
Metallic Inlay

The Dagály Promenade leads to the entry of a spa in the 13th district of Budapest on the territory of a former shipyard and industrial zone. The detailed Metallic Inlay Concrete Graphics pays homage to the present and past of the territory. The molecular formulas are constituents of the local thermal water, the machine part patterns and the inlay's copper material are a reference to the industrial history. Due to the motifs, passers-by can immerse into the atmosphere of this part of the city.









# UNIQUE DESIGN METHOD

NEVER-ENDING  
DESIGN PROCESS

Constant development is essential to create concrete furniture that has the power to become a vital part of the ever-changing towns or cities, while it is also a great tool for architects and landscape architects. Development is a never-ending process and the new requirements and needs public spaces have presented are reflected by our most recent and previous pieces of work as well.

## Complete oversight

The design, development and production of every piece of furniture is controlled by us, thus their characteristics can flexibly react to newly emerging needs. Aspects of manufacturing are taken into account throughout the process to ensure that the reality of concrete clearly comes through in product design and development. The stages of creating an object are in a symbiotic relationship with one another, and this connection is never broken.

## Human touch

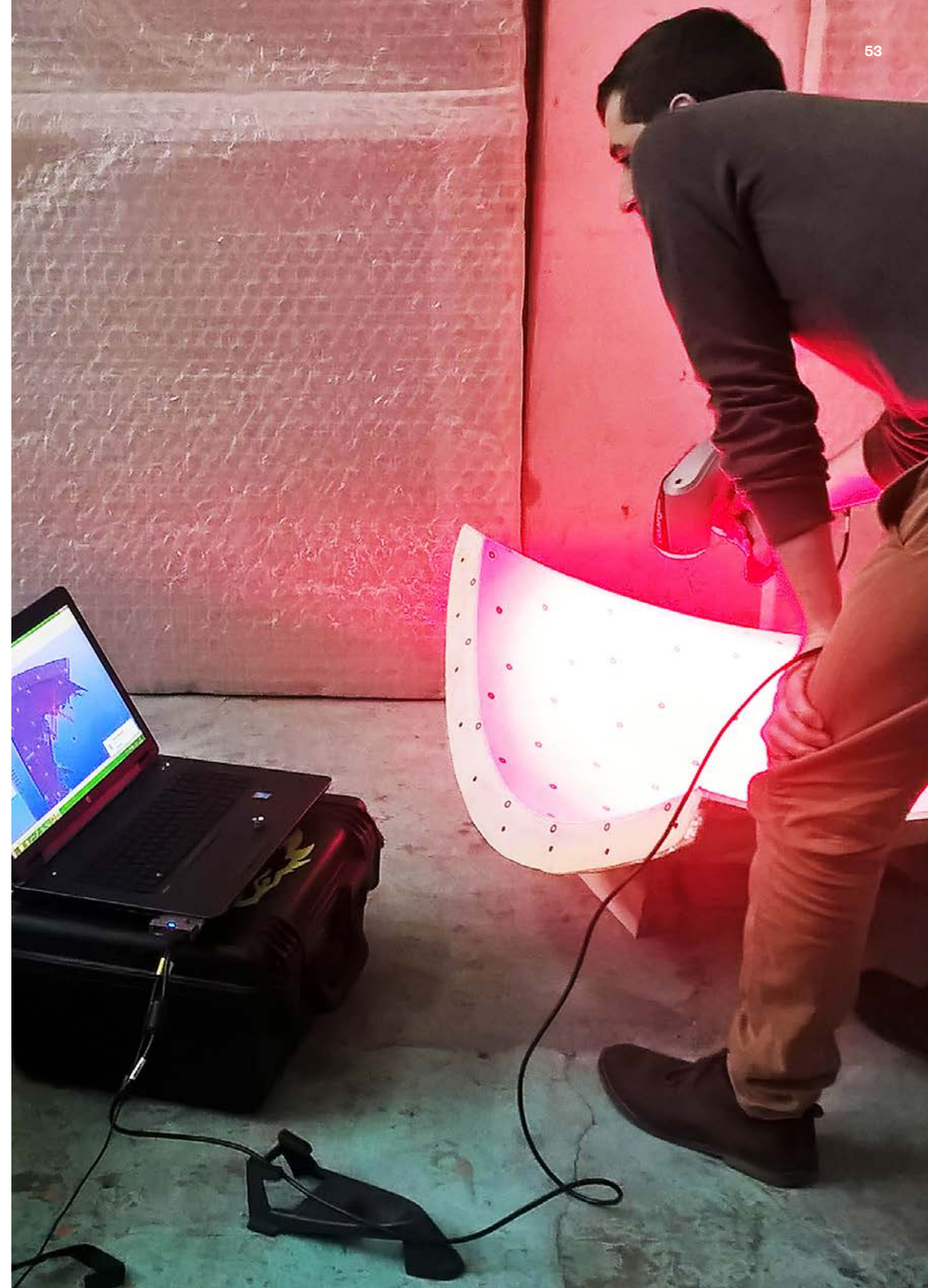
Beyond the reality of concrete, urban furniture designers need to focus on the reality of public spaces as well. To create objects that function well and leave a powerful impression, a combination of digital and manual methods is essential. Therefore, in addition to the CAD modelling, we create several small models with sculpting techniques. These shape studies help perceive and understand design concepts much better. They bring the curves and lines to life.

## Targeting perfection

Before an object reaches the prototype-ready phase, life-sized models are created. To start manufacturing, we need a concept that seems to be ready. The several aspects of beauty, function and maintenance are all unavoidable. After the first formwork is built, there can still be changes that affect even the basics of a product. Perfection is the goal, and we have to get close to it as much as possible.

## Meeting the challenge

The steps of the design method are the result of our experience and experimental attitude. Conceiving furniture that continuously inspires the design and usage of public spaces is a challenging task. Product design, development and production go hand in hand to ensure high quality in all possible aspects. Every public space project deserves excellent furniture, and that is exactly what we are here for.





A modern outdoor bench is shown from a low angle. The bench has a white, rectangular concrete frame. The seat is made of dark brown wooden slats. The bench is set on a light-colored, textured ground. The background is a plain, light-colored wall.

**THEY BRING THE  
CURVES AND LINES  
TO LIFE.**

CONCRETE  
IS A SOURCE  
OF POWER



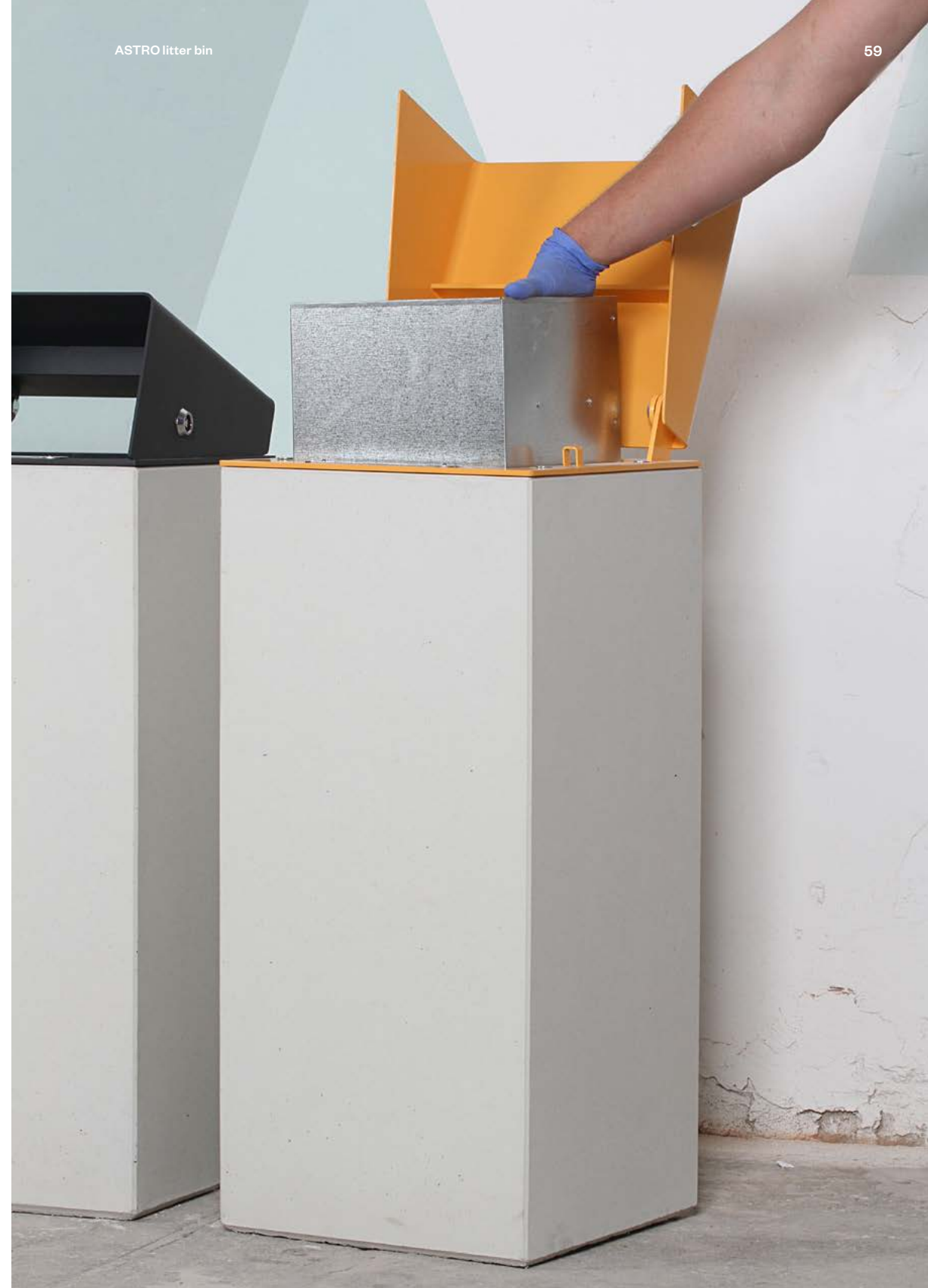
# THE CHALLENGES OF DESIGNING CONCRETE WASTE BINS

Design:

Márk Nagy- Mihály

Designing trash cans, despite their apparent simplicity, is one of the most complicated tasks. With ASTRO and BINN, the goal was to reach the simplest operation possible without allowing the bins any opportunity to close incorrectly or remain completely open. Besides, both their material and structure had to be enduring so that they remain beautiful and operate well in the long run. Throughout the different phases of development of the waste bins, 1:1 scale models were made to test their operation. The formwork and the concrete-metal prototype were based on life-sized working models. After the materials and structure were finalized, the production prototype was created, and manufacturing began.

ASTRO litter bin









MÁRK NAGY-MIHÁLY

**“THE MOST EXCITING PART IS, OF COURSE, WHEN THE OBJECT IS READY. EVERY LINE IN THE DRAWING BECOMES MEANINGFUL, EVERY MORTISE AND GAP IS AS BIG AS IT SHOULD BE, EVERYTHING FITS THE ORIGINAL DESIGN. AND ONE WONDERS ABOUT ONE’S OWN CREATION: WOW, IT REALLY WORKS!”**

Márk Nagy-Mihály has been working at VPI as a Junior Designer since 2017. He received his Designer Artist Master’s Degree from the Moholy-Nagy University of Art and Design Budapest. Márk’s works at VPI include TWIST, BINN and ASTRO. While TWIST, which is a concrete bench and a retaining seat-wall as well, is more of an exciting spatial game with furniture elements, the major part of the design work in the case of BINN and ASTRO was to reduce the costs of their production and design them to the smallest detail.

Product Designer

“The most exciting part is, of course, when the object is ready. Every line in the drawing becomes meaningful, every mortise and gap is as big as it should be, everything fits the original design. And one wonders about one’s own creation: Wow, it really works!”











RENÁTA PAUNOCH

**“I DO NOT BELIEVE IN A SOLE TRUTH. AS A DESIGNER, ONE ALWAYS HAS TO CONSIDER ALL ASPECTS OF A PROBLEM AND ALL THE POSSIBILITIES WITHIN. THIS WAY, ONE IS ABLE TO SELECT THE MOST SUITABLE SOLUTION.”**

Awards: ZIGZA-  
Hungarian Design Award, Special Prize,  
awarded by the Hungarian Design Council, 2013

CROMA-  
Silver A' Design Award Winner, 2016  
Architizer A+ Award, 2016  
Blueprint Awards, shortlisted, 2016

Renáta Paunoch is one of the founders of VPI Concrete and the designer of several iconic pieces of concrete furniture. She received her Master's Degree in Architecture from the Budapest University of Technology and Economics. Recently, she's also been working as an interior designer in her own studio. Renáta designed ZIGZA, CROMA, CUBO and PLANTA. Her intent with public furniture was to create great tools for landscape architects and architects, as well as a lasting experience for the users of the objects. The benches should regulate spaces in a playful and creative way.

Design Consultant

“I do not believe in a sole truth. As a designer, one always has to consider all aspects of a problem and all the possibilities within. This way, one is able to select the most suitable solution. When it comes to concrete furniture, knowledge about technology and its limits is indispensable even if it is our duty to question such knowledge or even deliberately forget about it in order to avoid unnecessary self-restraint. The design and shape of the furniture are closely related with the materialization of the object, which makes their creation a tactile experience. One can feel the design process on the skin.”











# SPECIAL PROJECTS

UNDERSTANDING  
PUBLIC SPACES

Public space projects are always marvellously different from one another. Every project has distinctive features that make it unique. These characteristics have to be acknowledged by everyone who takes part in the creation of urban spaces. They have to be handled with great care and respect. Every project deserves an individual approach.

## Open to ideas

With every new project, we offer cooperation with the architects and landscape architects from the very beginning. In addition to the already available furniture, we create other pieces on demand. New kinds of seatings, tiles, information boards, customized Concrete Graphics, new pieces of furniture and much more to meet specific needs. We're open to any great idea and we're able to get the most out of them. Our goal is to help create the finest public spaces one can imagine.

## Full support

We make suggestions and provide assistance in every phase of a project. Design guides, 3D models and DWG files are available. We support location and installation plans, joint designs and product plans. To achieve the mutual goals, we provide full cost-calculation for tenders, assist in product specification and product description, and hand out detailed manuals for installation and maintenance. A strong cooperation with architects and landscape architects leads to remarkable results. It contributes to a wonderfully enjoyable urban life.







**EVERY PROJECT  
DESERVES AN  
INDIVIDUAL  
APPROACH.**

# A CONCRETE BENCH PROJECT LED BY AN ARCHITECT

## Design:

György Skardelli

The luminous concrete bench, LUDY, was designed by György Skardelli, Chief Architect of Közti and the architect of several noteworthy public buildings in Hungary. The bench was created as part of the Ludovika Project which built a new campus for a university in Budapest.

In this case, we had to bring to life the unique concept of an architect who had strong notions of how this bench should look like and function. Since LUDY is really large, it was a big challenge to create a formwork that met all requirements. To solve the problem of lighting we integrated a LED panel by using a technique that made the installation of such panel the easiest possible. The cooperation was successful, and LUDY turned out to be exactly the bench the architect imagined. It sits delightfully, just like the building it was designed for, and it is an appealing element of the Ludovika Campus.



LUDY LED bench, Ludovika Campus, Budapest, 2018







< LUDY LED bench, Ludovika Campus, Budapest, 2018

> LUDY LED bench, Ludovika Campus, Budapest, 2018





SZABOLCS VAJDA



**“VPI CONCRETE IS NOW A WELL-ESTABLISHED COMPANY, BUT IN THE BEGINNING, WE FACED A REAL CHALLENGE TO PRODUCE EVEN A SMALL NUMBER OF BENCHES.”**

Szabolcs Vajda is one of the founders of VPI Concrete and has been involved in the experimentations with concrete from the very beginning. He has a Master's Degree in Landscape Architecture from Szent István University where he is now a senior lecturer. Szabolcs's field is production. His main task is to ensure the highest product quality by using the most effective production methods. Recently, he has mostly been working on unique orders and product development, and he actively manages mass production. “VPI Concrete is now a well-established company, but in the beginning, we faced a real challenge to produce even a small number of benches. The challenge remained, but nowadays it is mostly about fulfilling the unique needs of our customers. Creating objects with unusual sizes and shapes always gives us a sense of achievement.”

Technical Director

# A PROJECT TO REMEMBER

## REFORM500

Design:  
Awards:

Levente Szabó, Ákos Polgárdi  
Hungarian Design Award, 2017

The REFORM500 project was a remarkable idea to celebrate the 500th anniversary of the Reformation. Designed by Levente Szabó and Ákos Polgárdi, and manufactured by VPI Concrete for a major square in Budapest, it is a delicate example of cooperation.

95 paver stones on Kálvin square were replaced by concrete slabs displaying different quotes from the Reformation era as a reminder of Martin Luther's 95 Theses announced in Wittenberg. The concrete slabs were made from high-performance concrete using Concrete Graphics inscriptions. During the cooperation, we developed the appropriate concrete mix and the necessary Concrete Graphics. After the designers approved the final concept of the slabs, ÉMI (Company for Quality Control and Innovation in Building) tested the material to make sure that they would be able to endure the traffic of a major square.

The stones have been performing well and the installation is admired by professionals and passers-by alike.

A second batch of concrete slabs was produced later on to be installed in public institutions and Protestant churches in Hungary and the neighbouring countries.











MÁRTA KRAUTKRÄMER

**“AT THIS POINT, I HAVE TO EMPHASIZE THE IMPORTANCE OF CLARITY IN DESIGN VPI REPRESENTS AND ITS FOREMOST COMMITMENT TO QUALITY – I DO SUPPORT VPI WITH ALL MY INDUSTRY.”**

Márta Krautkrämer has been working at VPI Concrete since 2017. Her tasks include handling customer relations, taking part in introducing and continuously improving work processes, paying attention to the staff and recruiting new colleagues. Márta had a great impact on the development of the company's current administrative background.

Office Manager

“I wanted to be a member of an innovative team and take part in the development of a rather small company - I feel like I was made for this job. At VPI, I can satisfy my technical curiosity while I also become familiar with the properties of concrete and, in addition, I've got the opportunity to harmonize design and technical solutions. At this point, I have to emphasize the importance of clarity in design VPI represents and its foremost commitment to quality – I do support VPI with all my industry.”



# UNIVERSITY PROJECTS

We hold material experiment and material innovation courses at two universities in Budapest: the Moholy-Nagy University of Art and Design Budapest and the Szent István University. Experimenting with this constantly changing material stimulates students to push their creative boundaries, and such experimentation often leads to unexpected results. Sometimes, the work they produce even gets to impact the technologies we use and helps us maintain an innovative and creative environment. Recently, the world's first university concrete lab has been opened on the Moholy-Nagy University campus on our initiative.

Students created several really interesting projects in our courses. For example, a project examined over 100 experimental pieces in order to understand how the existing stereotypes about concrete could be modified and overwritten and how an industrial material could be given a new, softer look. Another one investigated the possibilities of creating forms that can be used to alleviate and lessen the block-like rigidity of concrete with the use of lost wax process for casting. A glass concrete project aimed to move from grainy, pebble-like concrete to clear glass utilizing coloured glass scraps. Some of the students' projects were featured in several Hungarian and international exhibitions.











**IT HELPS  
CREATING A  
WONDERFULLY  
ENJOYABLE  
URBAN LIFE**









# REPUBLIC OF CONCRETE

WE LOVE CONCRETE



VPI Concrete was founded by architects and landscape architects to reach a new kind of excellence in the design and technology of concrete products and their function in public spaces. The founders shared the love of concrete objects which continues to be the most important drive in our company. We love analyzing public space projects, designing the objects, developing concrete mixtures or creating complicated formworks. Concrete is our life.

## Inspiring urban life

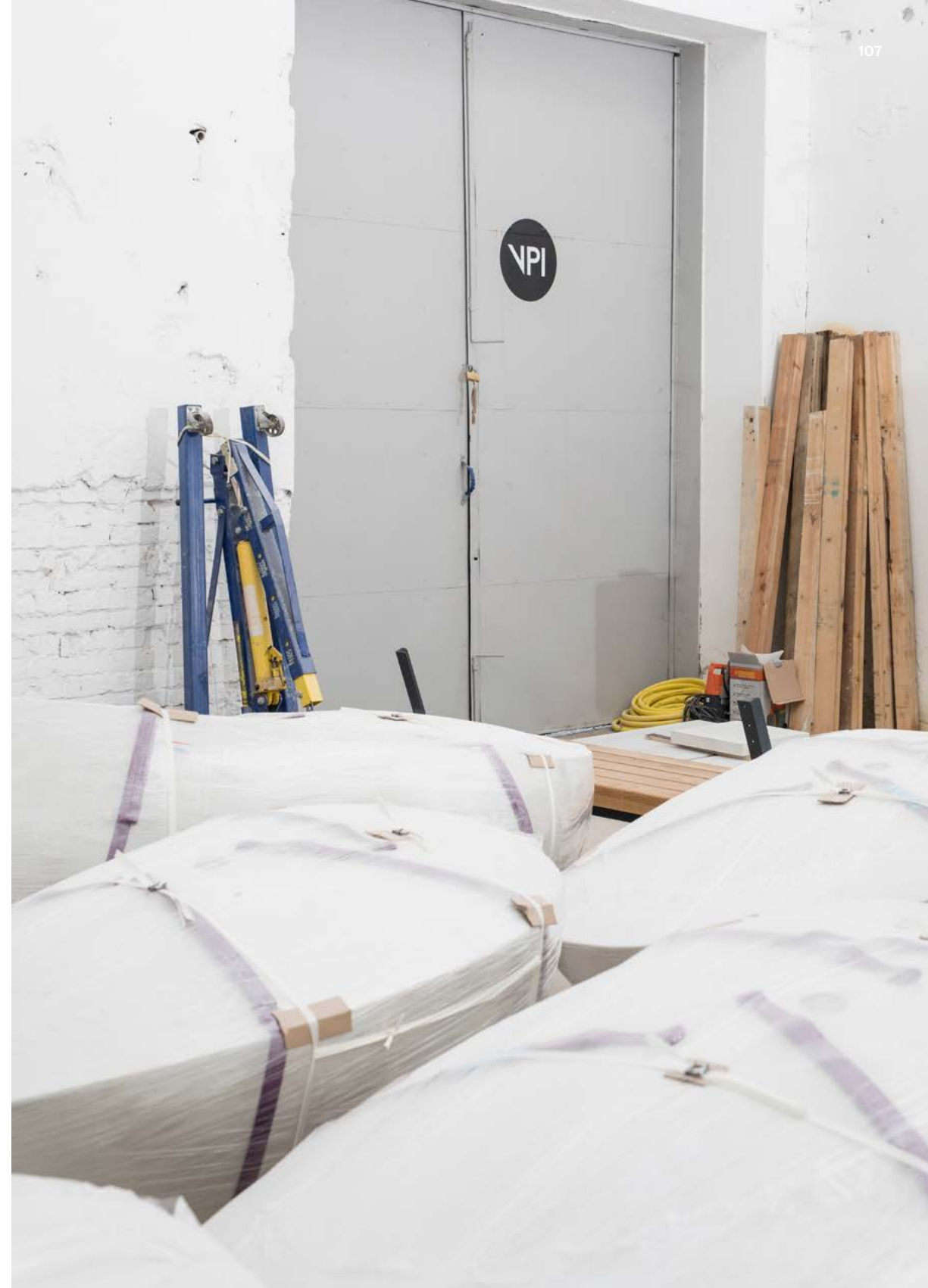
We handle concrete and the objects created from it with the responsibility they deserve. Concrete is a wonderful material and only with the greatest care and professionalism can we get the most out of it. The efforts we make to reach this goal are rewarding, and there is no greater excitement than following the route of an idea until it is embodied in the reality of cities and towns. In other words: to see the objects become an inspiring part of urban life.

## Local suppliers

Our suppliers share this enthusiasm and understand our goals of perfection. Having our suppliers within a 100 km range ensures flexibility and serves well our development purposes. We created a strong network, and our partners are highly involved in our activities, contributing even to product development. This local think-tank helps us become more economical and eco-friendly.

## Devoted to public spaces

Our team works on every task with devotion and insight. From the first contact till the installation and beyond, our customers receive understanding and creative attention. We believe in great public spaces and we do everything in our might to help create them.







**WE BELIEVE IN GREAT  
PUBLIC SPACES AND  
WE DO EVERYTHING  
IN OUR MIGHT TO  
HELP CREATE THEM.**





KÁLMÁN BALOG

**“I’VE LOVED TINKERING SINCE MY CHILDHOOD, SO I REALLY ENJOY WORKING HERE. IT NEVER GETS BORING. SINCE WE WORK WITH A RELATIVELY NEW TECHNOLOGY, THERE’S ALWAYS SPACE FOR EXPERIMENTS AND IMPROVISATION.”**

Kálmán Balog started to work at VPI Concrete in 2017. At first, his task was casting and installing the products. Later on, he started to create formworks according to the plans of our designers and in strong cooperation with our Technical Director. These days, Kálmán is also responsible for allocating the tasks of the production team.

Production Leader

“I’ve loved tinkering since my childhood, so I really enjoy working here. It never gets boring. Since we work with a relatively new technology, there’s always space for experiments and improvisation. Even a small idea, like changing some screws in a formwork, can make a huge difference. You have to pay attention, but it’s worth it.”

# MADE IN BUDAPEST

## A city of inspiration

Budapest is a creative, lively city in the heart of Europe. Far beyond its wonderful architecture and cultural heritage, it is home to several universities, communities and companies. The busy cultural life and educational scene in this energizing city create a perfect environment for our innovative activities and experiments. This is a key factor to constant development. The city's constructive urban atmosphere provides unfathomable inspiration. We are happy to use this potential to create objects that take the creative atmosphere of Budapest everywhere.

## Valuable cooperation

Our strategic cooperation in the creative industry with the Moholy-Nagy University of Art and Design Budapest and the Szent István University, is a mutually beneficial relationship. It gives us a valuable connection with the university life in our city. Our specialists are senior lecturers whose lessons, together with the experimental trainings held in our factory building, help students of Architecture and Landscape Architecture acquire a deep understanding of concrete. We regularly organize workshops and professional events which are some of the most prominent events of Budapest's professional and design life.

## The heart of Europe

Due to its advantageous geographical features, Budapest is easy to reach from many different places and it is also an ideal location to produce concrete. We don't need to bring ingredients like cement or gravel from hundreds or thousands of kilometres away. Most materials needed for our production are coming from a 20 km radius, which makes our activities flexible and sustainable.

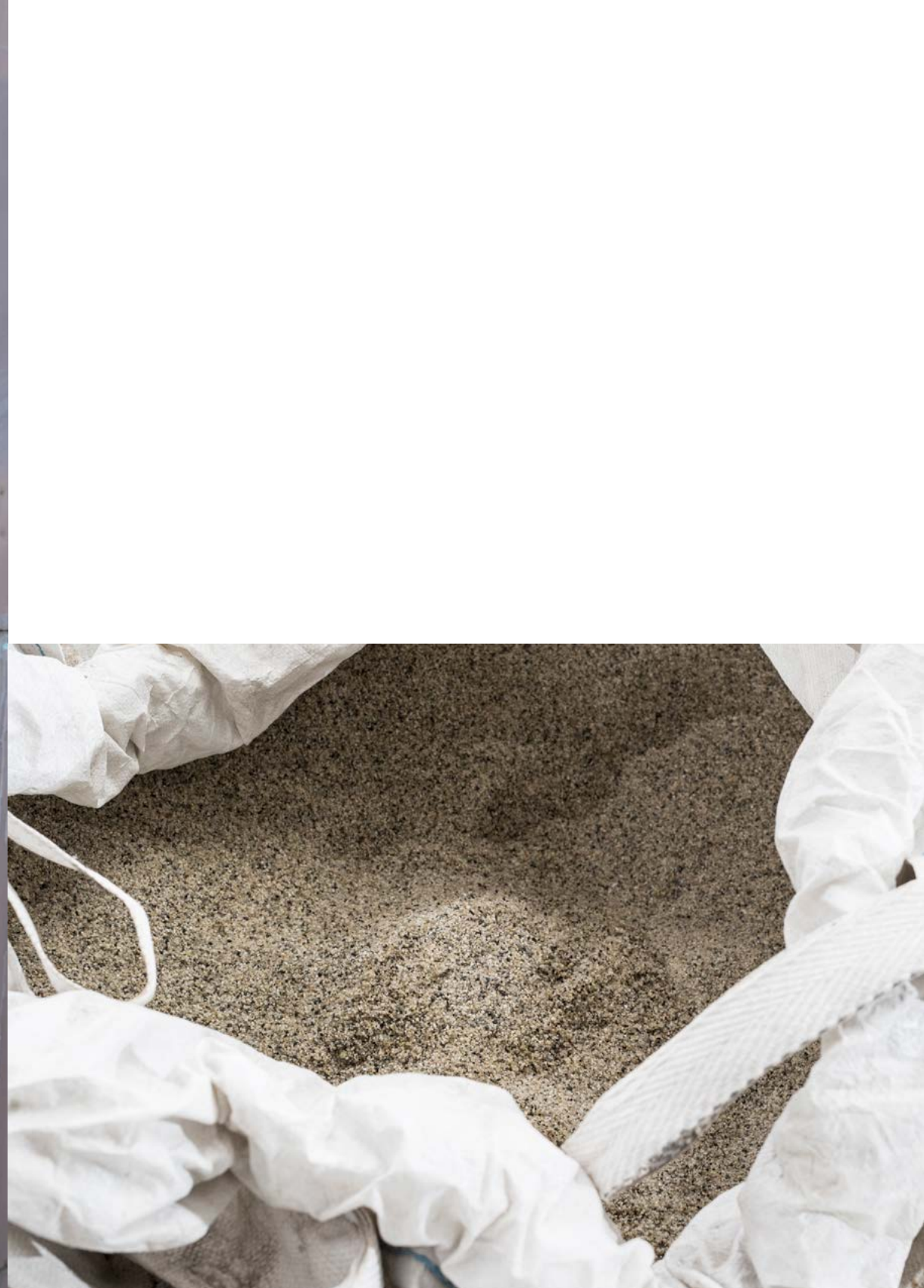






**CONCRETE  
IS OUR LIFE**















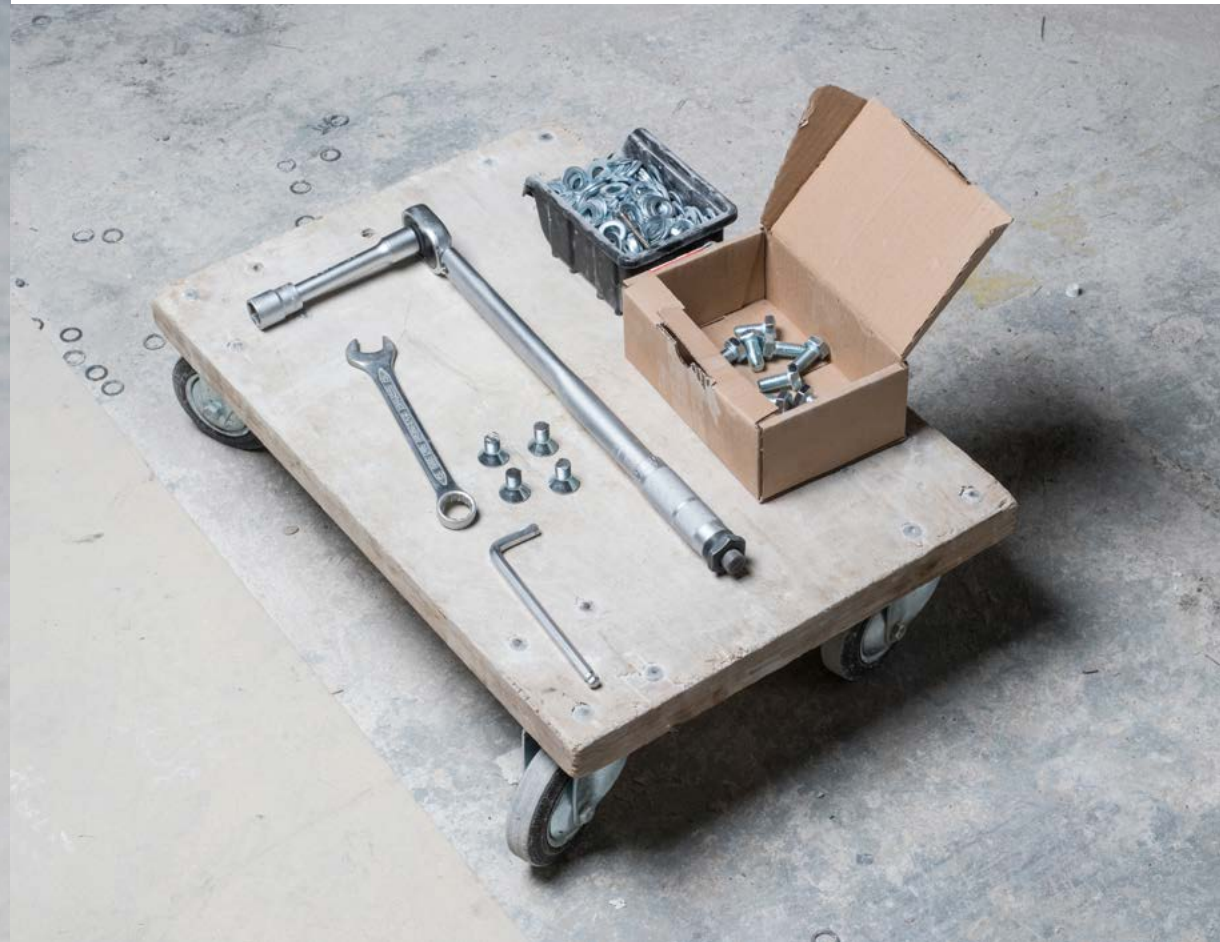








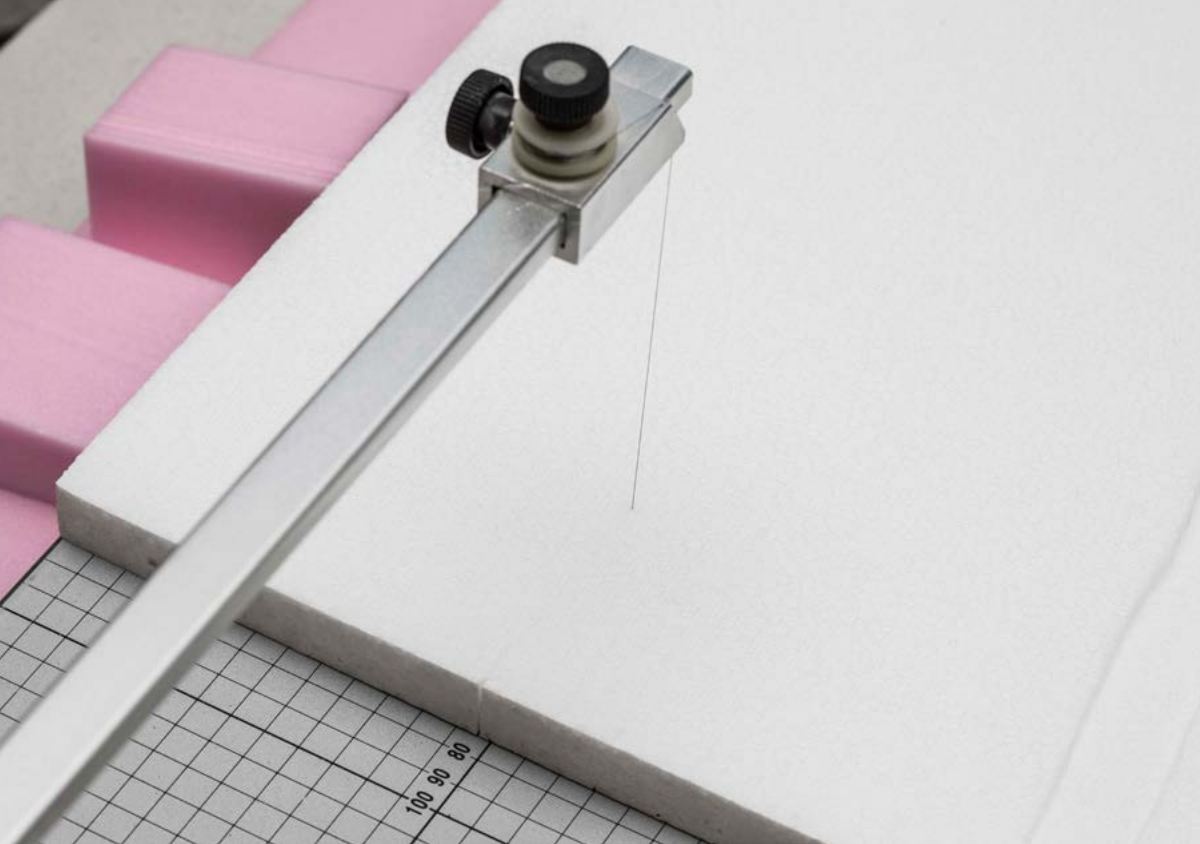








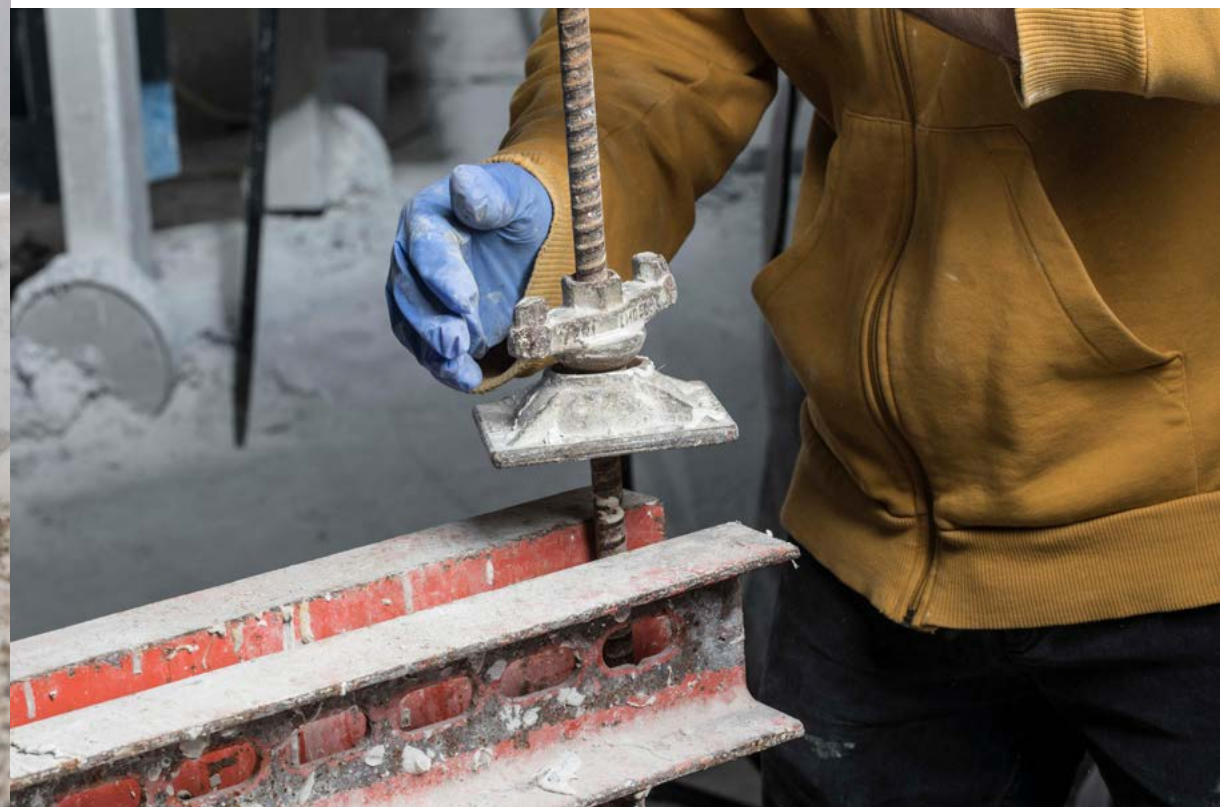


















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# PRODUCT DETAILS

DATASHEETS

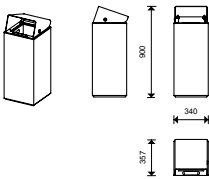
Design:		Márk Nagy-Mihály
Year:		2018
Dimensions:	ASTRO 30	340 x 357 x 900 mm
	ASTRO ECO	930 x 357 x 900 mm
	ASTRO 45	440 x 357 x 900 mm
	ASTRO 60	440 x 357 x 1050 mm
	ASTRO 90	540 x 357 x 1050 mm
Volume:	30 l / 3x30 l / 45 l / 60 l / 90 l	
Weight:	125/ 315/ 150/ 177/ 210 kg	
Material:	high performance concrete (HPC)	
Standard colour:	white, dark grey	
Finish:	natural cast	
Treatment:	impregnated	
Metal:	powder coated galvanized steel (optionally powder coated stainless steel)	
Standard metal colours:	anthracite gray – RAL 7016	
	salmon – RAL 3014	
	pastel orange – RAL 1034	
	stainless steel	
Transportation:	on pallets	
Lifting:	with lifting straps	
Placement:	on load-bearing, ready-to-use walking surface	
Fixing:	anchoring	
Cleaning:	with neutral detergent	

ASTRO 30 LITER WITH POWDER COATED LID

AST-30-SZ

ASTRO 30 LITER WITH STAINLESS STEEL LID

AST-30-RM

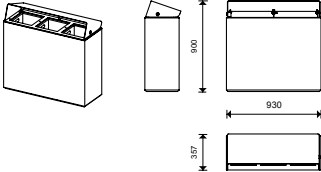


ASTRO ECO 3X30 LITER WITH POWDER COATED LID

AST-ECO-SZ

ASTRO ECO 3x30 LITER WITH STAINLESS STEEL LID

AST-ECO-RM

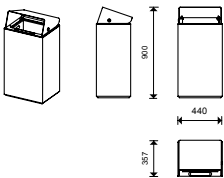


ASTRO ECO 45 LITER WITH POWDER COATED LID

AST-45-SZ

ASTRO ECO 45 LITER WITH STAINLESS STEEL LID

AST-45-RM

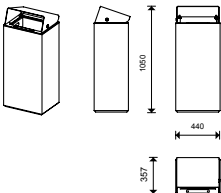


ASTRO 60 LITER WITH POWDER COATED LID

AST-60-SZ

ASTRO 60 LITER WITH STAINLESS STEEL LID

AST-60-RM

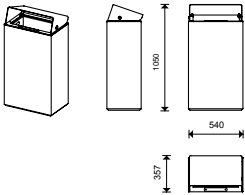


ASTRO 90 LITER WITH POWDER COATED LID

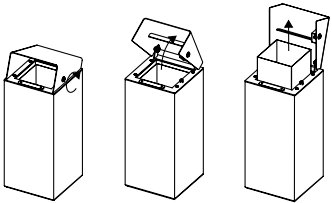
AST-90-SZ

ASTRO 90 LITER WITH STAINLESS STEEL LID

AST-90-RM



Function:



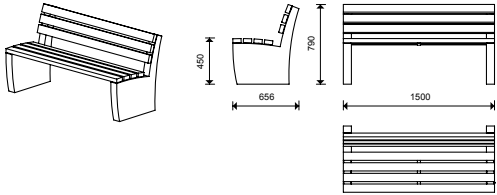


BENCH NO 17

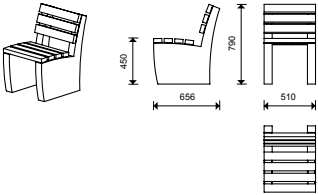
CLASSIC CONCRETE BENCH

Design:	Márk Nagy-Mihály
Year:	2019
Dimensions:	BENCH NO 17 1500 x 656 x 790 mm
	BENCH NO 17 510 x 656 x 790 mm
	STOOL
Weight:	150 kg
Material:	high performance concrete (HPC)
Standard colour:	white
Finish:	natural cast
Treatment:	impregnated
Seat:	varnished or painted ash
Transportation:	no pallet needed
Lifting:	with lifting straps
Placement:	on load-bearing, ready-to-use walking surface
Fixing:	anchoring
Cleaning:	with neutral detergent

BENCH NO 17  
B17



BENCH NO 17  
STOOL  
B17-S

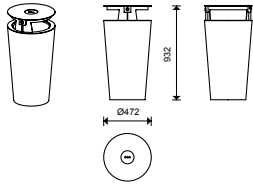


BINN

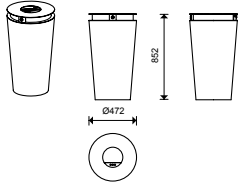
CONCRETE LITTER BIN

Design:	Márk Nagy-Mihály
Year:	2018
Dimensions:	Ø472 x 852/ 932 mm
Volume:	45/ 60 l
Weight:	135/ 140 kg
Material:	high performance concrete (HPC)
Standard colour:	white+dark grey
Finish:	natural cast
Treatment:	impregnated
Metal:	galvanized and powder coated steel, chromed steel
Standard metal colour:	RAL 7016
Transportation:	on pallets
Lifting:	with lifting straps
Placement:	on load-bearing, ready-to-use walking surface
Fixing:	anchored with steel bar
Cleaning:	with neutral detergent

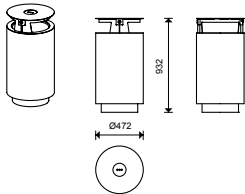
BINN 45 LITER TRASHCAN WITH CLOSED LID ON TOP  
BIN-45-Z



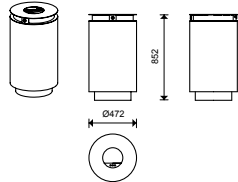
BINN 45 LITER TRASHCAN WITH OPEN LID ON TOP  
BIN-45-N



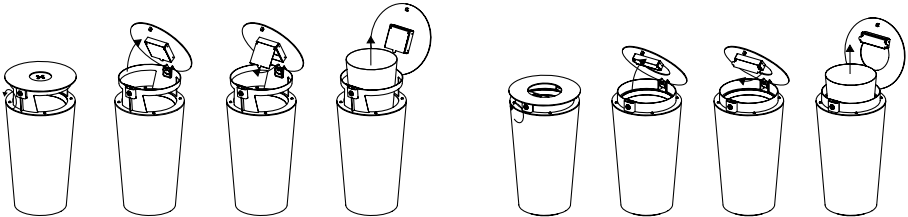
BINN 60 LITER TRASHCAN WITH CLOSED LID ON TOP  
BIN-60-Z



BINN 60 LITER TRASHCAN WITH OPEN LID ON TOP  
BIN-60-N

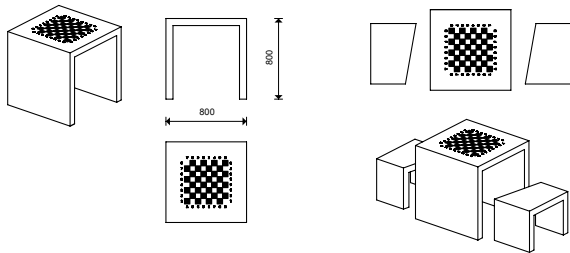


Function:

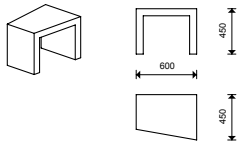


<b>CHESS TABLE</b>	
Design:	Márk Nagy-Mihály
Year:	2018
Dimensions:	CHESS TABLE 800 x 800 x 800 mm CHESS TABLE SEAT 600 x 450 x 450 mm
Weight:	300 kg
Material:	high performance concrete (HPC)
Standard colour:	white, dark grey
Finish:	natural cast
Treatment:	impregnated
Graphics:	engraved and painted
Transportation:	no pallet needed
Lifting:	with lifting straps
Placement:	on load-bearing, ready-to-use walking surface
Fixing:	anchoring or antifreeze adhesive
Cleaning:	with neutral detergent

CHESS TABLE  
CHS



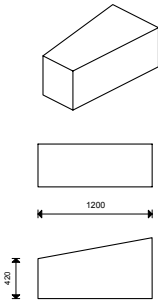
CHESS TABLE SEAT  
CHS-S



<b>Awards:</b>		Silver A' Design Award Winner, 2016 Architizer A+ Award, 2016 Blueprint Awards, shortlisted, 2016
<b>Design:</b>		Renáta Paunoch
<b>Year:</b>		2015
<b>Dimensions:</b>		1200 x 640 x 450 mm
<b>Weight:</b>		235/ 300/ 145 kg
<b>Material:</b>		high performance concrete (HPC)
<b>Standard colour:</b>		white
<b>Finish:</b>		natural cast
<b>Treatment:</b>		impregnated
<b>Transportation:</b>		on pallets
<b>Lifting:</b>		with lifting straps
<b>Placement:</b>		on load-bearing, ready-to-use walking surface, the distance between neighbouring bench elements is 5 cm, anchoring or antifreeze adhesive
<b>Fixing:</b>		
<b>Cleaning:</b>		with neutral detergent

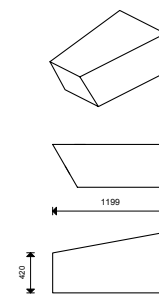
CROMA A1

CRO-A1  
CRO-A1-W  
(element with  
wooden seat)



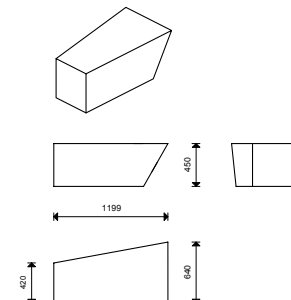
CROMA A2

CRO-A2  
CRO-A2-W  
(element with  
wooden seat)



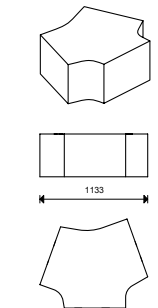
CROMA A3

CRO-A3  
CRO-A3-W  
(element with  
wooden seat)



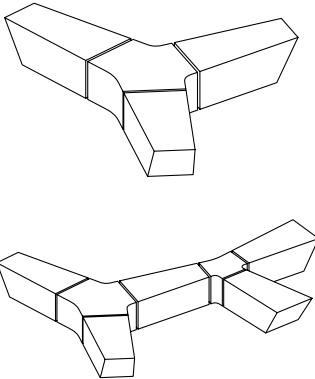
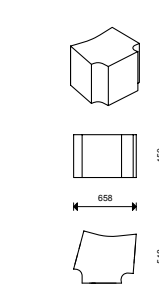
CROMA C1

CRO-C1



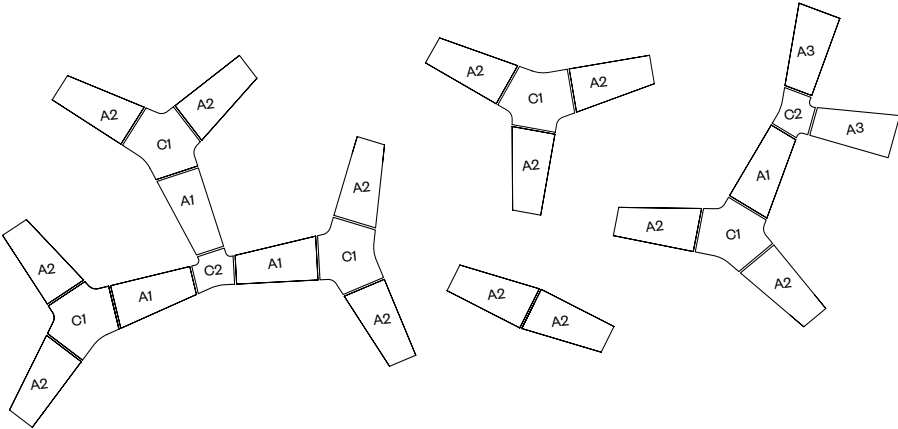
CROMA C2

CRO-C2



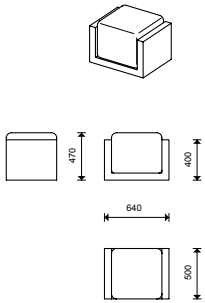


Sample combinations:

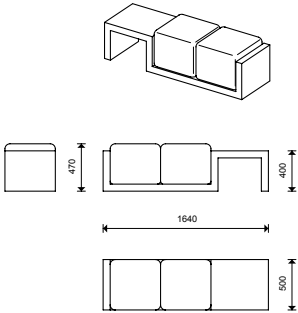


Design:	Renáta Paunoch, Péter István Varga
Year:	2012
Dimensions:	1640 x 500 x 470 mm
Weight:	250 kg
Material:	high performance concrete (HPC)
Standard colour:	white
Finish:	natural cast
Treatment:	impregnated
Seat:	highly resistant aquaclean fibre
Transportation:	no pallet needed
Lifting:	with lifting straps
Placement:	on load-bearing, ready-to-use walking surface
Fixing:	placement only, no fixing needed
Cleaning:	with neutral detergent

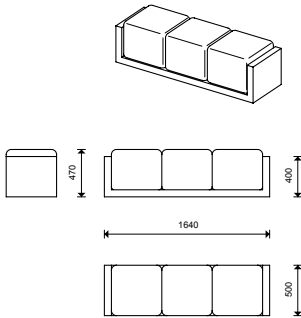
CUBO 1 SEATER SOFA  
CUB-OKA



CUBO 2 SEATER SOFA  
CUB-2SZ

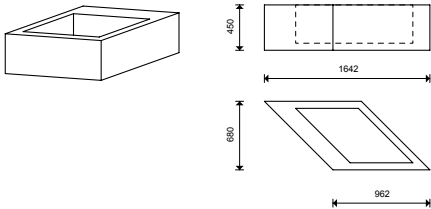


CUBO 3 SEATER SOFA  
CUB-3SZ

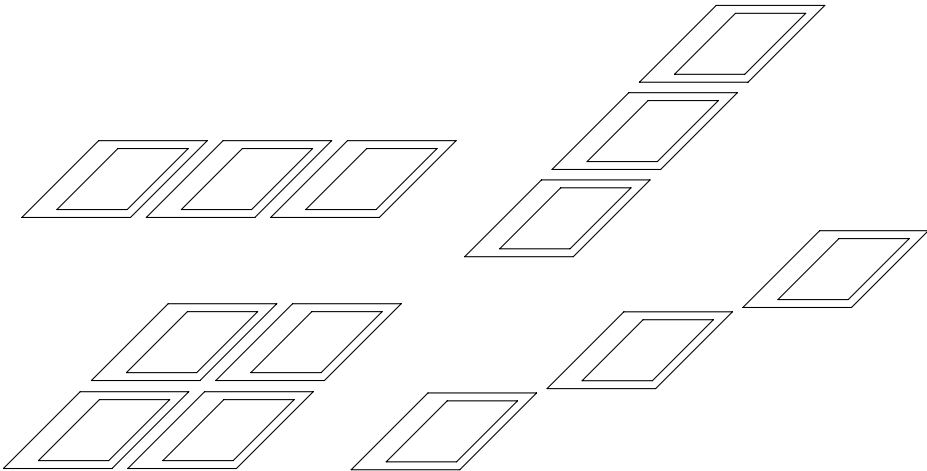


DESIGN		CONCRETE FLOWER PLANTER	
DESIGNER		PÉTER ISTVÁN VARGA	
YEAR		2014	
DIMENSIONS		1642 x 680 x 45 mm	
VOLUME		130 l	
WEIGHT		408 kg	
MATERIAL		high performance concrete (HPC)	
STANDARD COLOUR		white	
FINISH		natural cast	
TREATMENT		impregnated	
TRANSPORTATION		on pallets	
LIFTING		with forklift or with lifting eye bolts and straps	
PLACEMENT		on load-bearing, ready-to-use walking surface	
FIXING		placement only, no fixing needed	
CLEANING		with neutral detergent	
A fluid outlet is placed onto the bottom of the product.			

DESA FLOWER PLANTER  
DSA



Sample combinations:



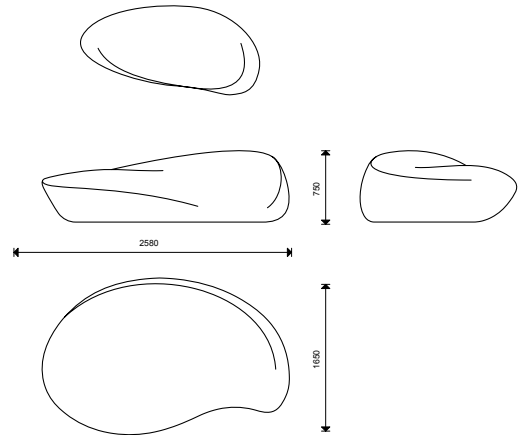
KAVICS

CONCRETE SEATING FURNITURE FAMILY

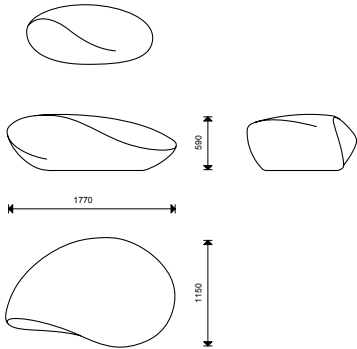
153

Awards:	IDA Design Awards, Bronze Winner, 2017		
Design:	Fruzsina Fülöp		
Year:	2017		
Dimensions:	XL	2580 x 1650 x 750 mm	
	M	1770 x 1150 x 590 mm	
	S	1330 x 1070 x 595 mm	
Weight:		1000/ 630/ 550 kg	
Material:		high performance concrete (HPC)	
Standard colour:		white (optionally pink)	
Finish:		natural cast	
Treatment:		impregnated	
Transportation:		on pallets	
Lifting:		with lifting straps	
Placement:		on load-bearing, ready-to-use walking surface	
Fixing:		placement only, no fixing needed	
Cleaning:		with neutral detergent	

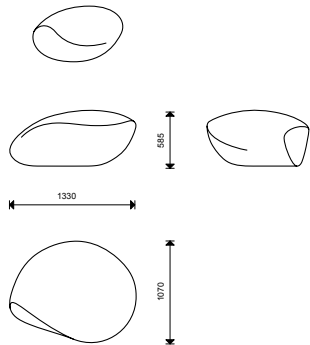
KAVICS XL  
KCS-XL



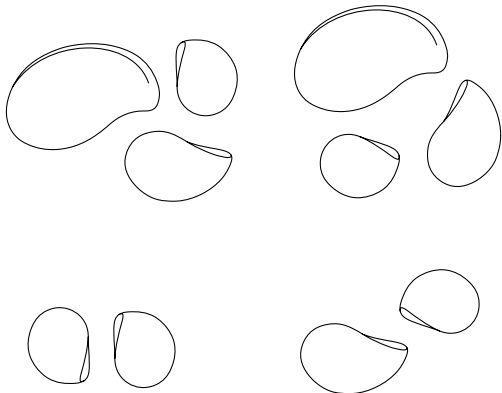
KAVICS M  
KCS-M



KAVICS S  
KCS-S



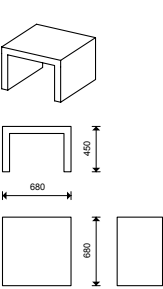
Sample combinations:



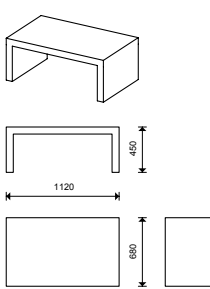


	Design: Year:	Szabolcs Vajda, Péter István Varga 2011
	Dimensions: Weight: Material: Standard colour: Finish: Treatment: Transportation: Lifting: Placement:	680/ 1120/ 1800 x 680 x 450 mm 170/ 235/ 300 kg high performance concrete (HPC) white natural cast impregnated no pallet needed with lifting straps on load-bearing, ready-to-use walking surface, the distance between neighbouring bench elements is 10 cm
	Fixing: Cleaning:	anchoring or antifreeze adhesive with neutral detergent

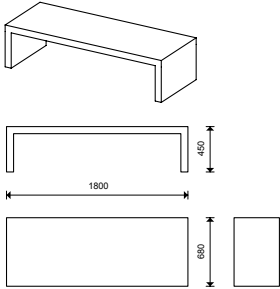
LINER 68  
LNR-68



LINER 112  
LNR-112



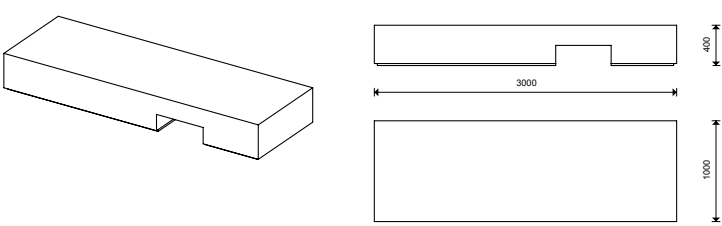
LINER 180  
LNR-180



	Design: Year:	György Skardelli 2017
	Dimensions: Weight: Material: Standard colour: Finish: Treatment: Lighting: Transportation: Lifting: Placement:	1000 x 3000 x 400 mm 1130 kg high performance concrete (HPC) white natural cast impregnated IP 65 protected LED light no pallet needed with lifting straps on load-bearing, ready-to-use walking surface
	Fixing: Cleaning:	placement only, no fixing needed with neutral detergent

LUDY BENCH  
LDY-300

LUDY BENCH WITH LED LIGHTING  
LDY-300-LED



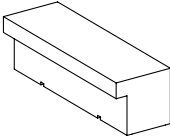
036

MILLI

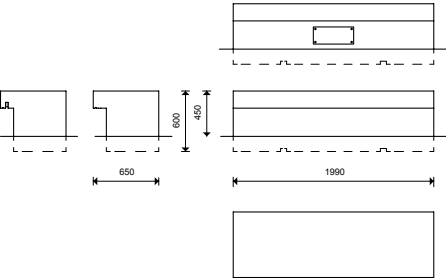
RETAINING WALL BENCH SYSTEM  
WITH LED LIGHTS

Design:	Márk Nagy-Mihály
Year:	2019
Dimensions:	1990 x 650 x 600 mm 1050 x 2080 x 600 mm
Weight:	690/ 850 kg
Material:	high performance concrete
Standard colour:	white
Concrete finish:	natural cast
Treatment:	impregnated
Lighting:	iGuzzini LED
Transportation:	on pallets
Lifting:	with lifting straps
Placement:	on concrete base, 15 cm below the floor covering layer
Fixing:	with antifreeze adhesive
Cleaning:	with neutral detergent
	Optionally, unique curved pieces and angle pieces are manufactured as well.

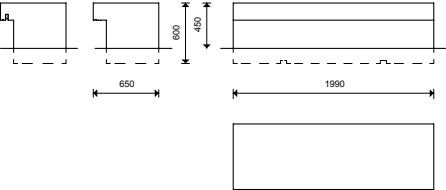
MILLI SMALL BASE ELEMENT  
MIL-S



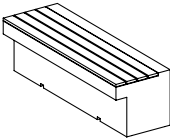
MILLI SMALL BASE ELEMENT, LED  
MIL-S-LED



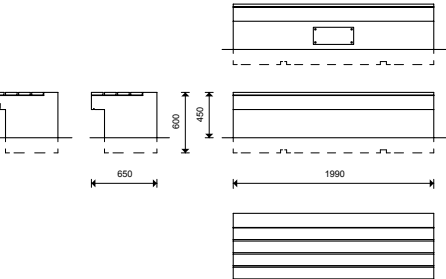
MILLI SMALL BASE ELEMENT,  
LED+INSPECTION OPENING  
MIL-S-LED-B



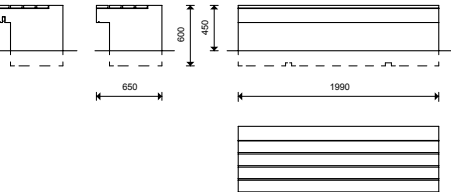
MILLI SMALL BASE ELEMENT  
WITH WOODEN SEAT  
MIL-S-F



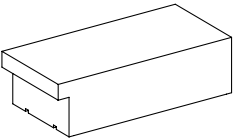
MILLI SMALL BASE ELEMENT  
WITH WOODEN SEAT, LED  
MIL-S-F-LED



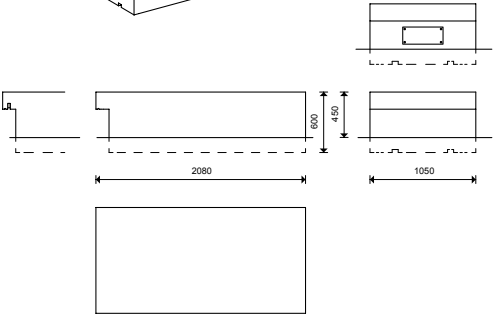
MILLI SMALL BASE ELEMENT WITH  
WOODEN SEAT, LED  
+INSPECTION OPENING  
MIL-S-F-LED-B



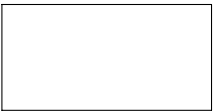
MILLI WIDE BASE ELEMENT  
MIL-W



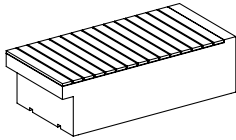
MILLI WIDE BASE ELEMENT, LED  
MIL-W-LED



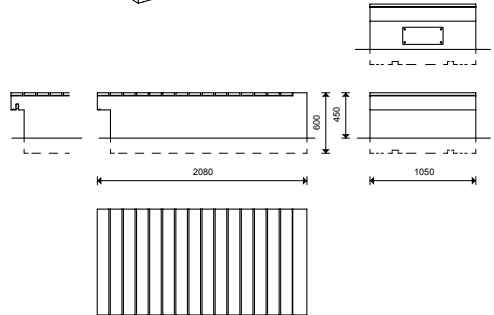
MILLI WIDE BASE ELEMENT,  
LED+INSPECTION OPENING  
MIL-W-LED-B



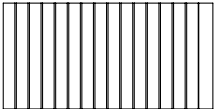
MILLI WIDE BASE ELEMENT  
WITH WOODEN SEAT  
MIL-W-F



MILLI WIDE BASE ELEMENT  
WITH WOODEN SEAT, LED  
MIL-W-F-LED



MILLI WIDE BASE ELEMENT WITH  
WOODEN SEAT, LED  
+INSPECTION OPENING  
MIL-W-F-LED-B

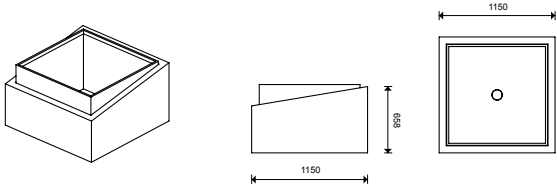


Sample combinations:

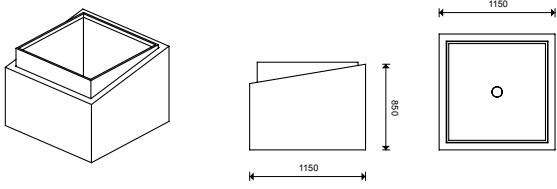


Design:	Renáta Paunoch
Year:	2015
Dimensions:	PLANTA 1000 1150 x 1150 x 1042 mm
	PLANTA 850 1150 x 1150 x 870 mm
	PLANTA 600 1150 x 1150 x 678 mm
Volume	1000/ 850/ 600 l
Weight:	635/ 500/ 375 kg
Material:	high performance concrete (HPC) + metal planter
Standard colour:	white
Metallic colour:	RAL standard, main colour: RAL 7016
Concrete finish:	natural cast
Metal finish:	galvanized and sintered
Treatment:	impregnated
Insulation:	XPS
Transportation:	no pallet needed
Lifting:	with lifting eye bolts and straps
Placement:	on load-bearing, ready-to-use walking surface
Fixing:	placement only, no fixing needed
Cleaning:	with neutral detergent
The product is thermally insulated. On the bottom of the planter, a hole for the hosepipe is installed.	

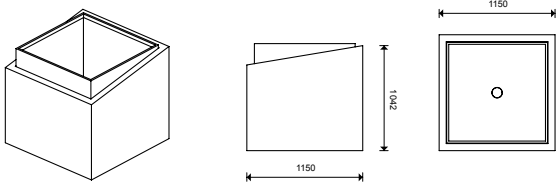
PLANTA 600 LITER  
PLA-600



PLANTA 850 LITER  
PLA-850

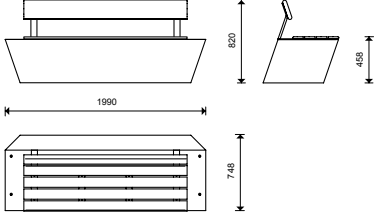


PLANTA 1000 LITER  
PLA-1000

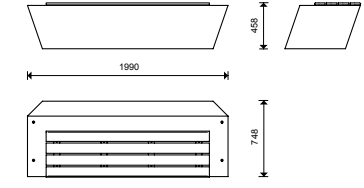


Design:	Márk Nagy-Mihály, Péter István Varga
Year:	2018
Dimensions:	TWIST LR 1990 x 750 x 430 mm
	TWIST R 2140 x 750 x 430/ 455/ 822 mm
	TWIST L 2140 x 750 x 430/ 455/ 822 mm
	TWIST S 1990 x 548 x 430/ 455/ 822 mm
Weight:	450/ 500/ 550 kg
Material:	high performance concrete (HPC)
Standard colour:	white
Finish:	natural cast
Treatment:	impregnated
Seat:	1-, 2- or 3-seater wooden seat (optional)
Seat material:	varnished ash (optionally thermo ash)
Metal:	galvanized and powder coated steel, RAL 7016
Transportation:	on pallets
Lifting:	with lifting eye bolts and straps
Placement:	on load-bearing, ready-to-use walking surface
Fixing:	with antifreeze adhesive
Cleaning:	with neutral detergent

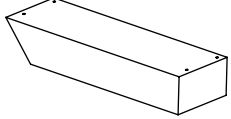
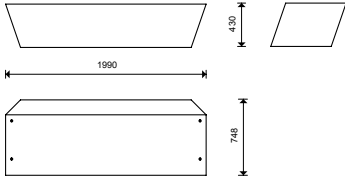
TWS-LR-W3T



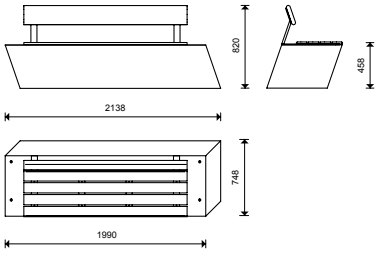
TWS-LR-W3



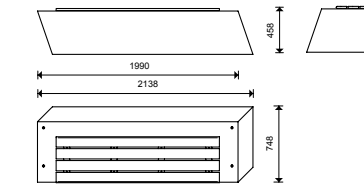
TWS-LR



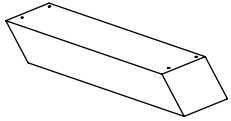
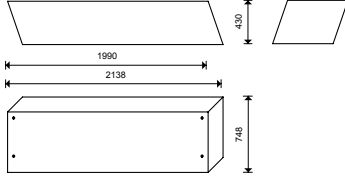
TWS-J-W3T



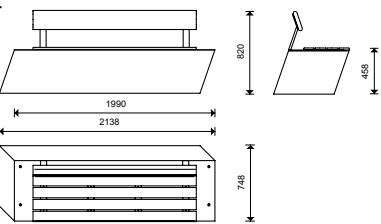
TWS-J-W3



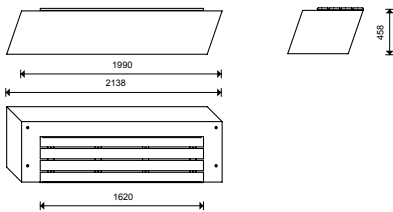
TWS-J



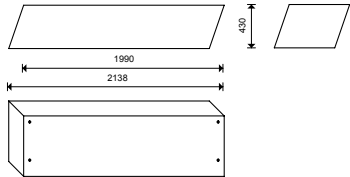
TWS-B-W3T



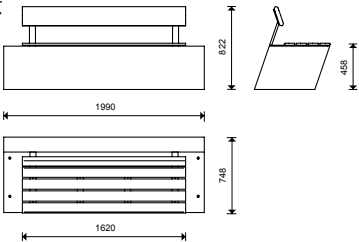
TWS-B-W3



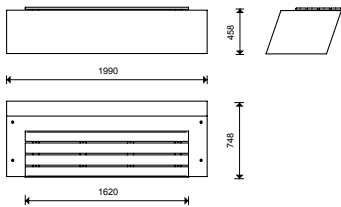
TWS-B



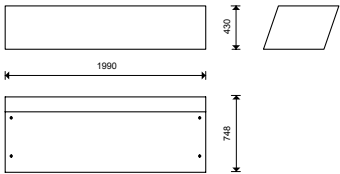
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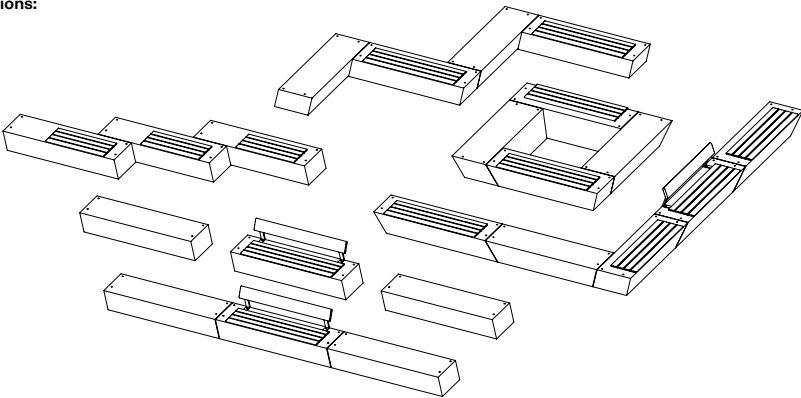
TWS-S-W3



TWS-S



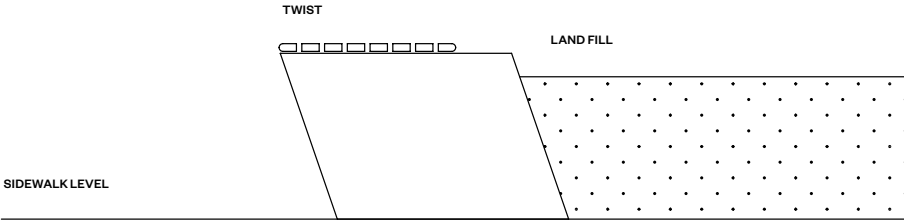
3D sample combinations:



Sample combinations:



Application as retaining seat wall:





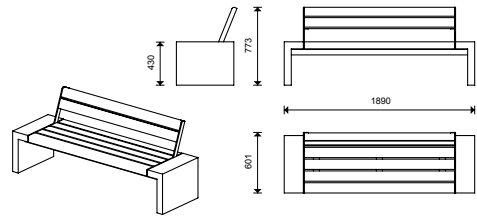
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WOODY

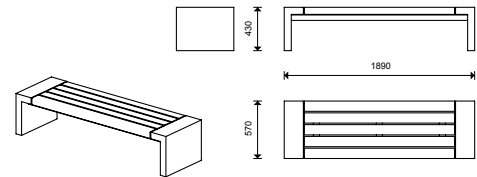
CONCRETE BENCH FAMILY  
WITH WOODEN SEAT

Design:	Péter István Varga, Márk Nagy-Mihály
Year:	2018
Dimensions:	1890/ 1390 x 750 x 450 mm
Weight:	225/ 205/ 180 kg
Material:	high performance concrete (HPC)
Standard colour:	white
Finish:	natural cast
Treatment:	impregnated
Seat:	varnished ash
Metal:	galvanized and powder coated steel
Standard metal colour:	RAL 7016
Transportation:	no pallet needed
Lifting:	with lifting straps
Placement:	on load-bearing, ready-to-use walking surface
Fixing:	anchoring or antifreeze adhesive
Cleaning:	with neutral detergent

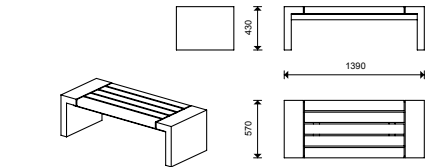
WOODY 189 CM, WITH LONGITUDINAL LATHING, WITH BACK  
WOD-189-HT



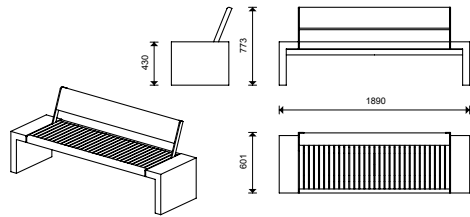
WOODY 189 CM, WITH LONGITUDINAL LATHING  
WOD-189-H



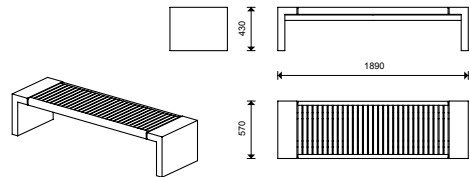
WOODY 139 CM, WITH LONGITUDINAL LATHING  
WOD-139-H



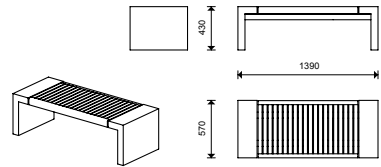
WOODY 189 CM, WITH TRANSVERSE LATHING, WITH BACK  
WOD-189-KT



WOODY 189 CM, WITH TRANSVERSE LATHING  
WOD-189-K

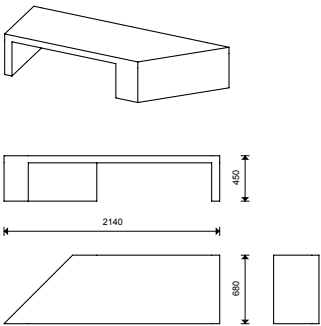


WOODY 139 CM, WITH TRANSVERSE LATHING  
WOD-139-K

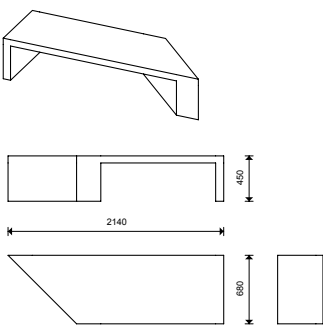


Award:	Hungarian Design Award, Special Prize, awarded by the Hungarian Design Council, 2013
Design:	Renáta Paunoch, Péter István Varga
Year:	2012
Dimensions:	2140 x 680 x 450 mm
Weight:	400 kg
Material:	high performance concrete (HPC)
Standard colour:	white
Finish:	natural cast
Treatment:	impregnated
Transportation:	no pallet needed
Lifting:	with lifting straps
Placement:	on load-bearing, ready-to-use walking surface, the distance between neighbouring bench elements is 10 cm
Fixing:	anchoring or antifreeze adhesive
Cleaning:	with neutral detergent

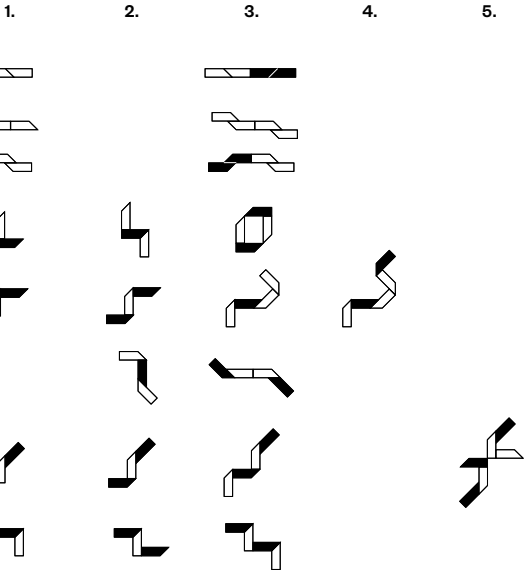
ZIGZA LEFT  
ZIG-B



ZIGZA RIGHT  
ZIG-J



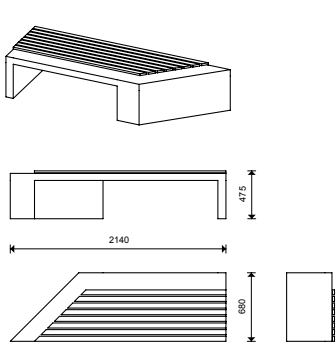
Sample combinations:



Design:	Renáta Paunoch, Péter István Varga
Year:	2012
Dimensions:	2140 x 680 x 450 mm
Weight:	415 kg
Material:	high performance concrete (HPC)
Standard colour:	white
Finish:	natural cast
Treatment:	impregnated
Seat:	varnished ash (optionally: thermo ash)
Transportation:	no pallet needed
Lifting:	with lifting straps
Placement:	on load-bearing, ready-to-use walking surface, the distance between neighbouring bench elements is 10 cm
Fixing:	anchoring or antifreeze adhesive
Cleaning:	with neutral detergent

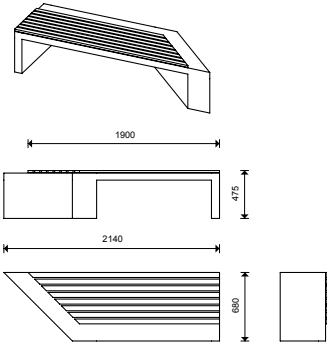
ZIGZA WOOD LEFT

ZIG-B-W

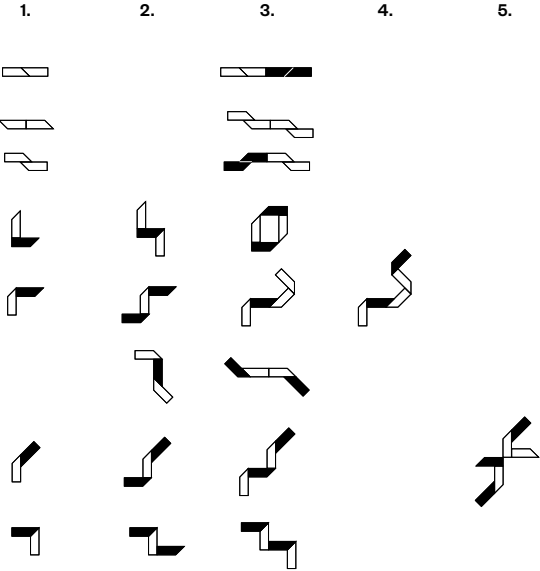


ZIGZA WOOD RIGHT

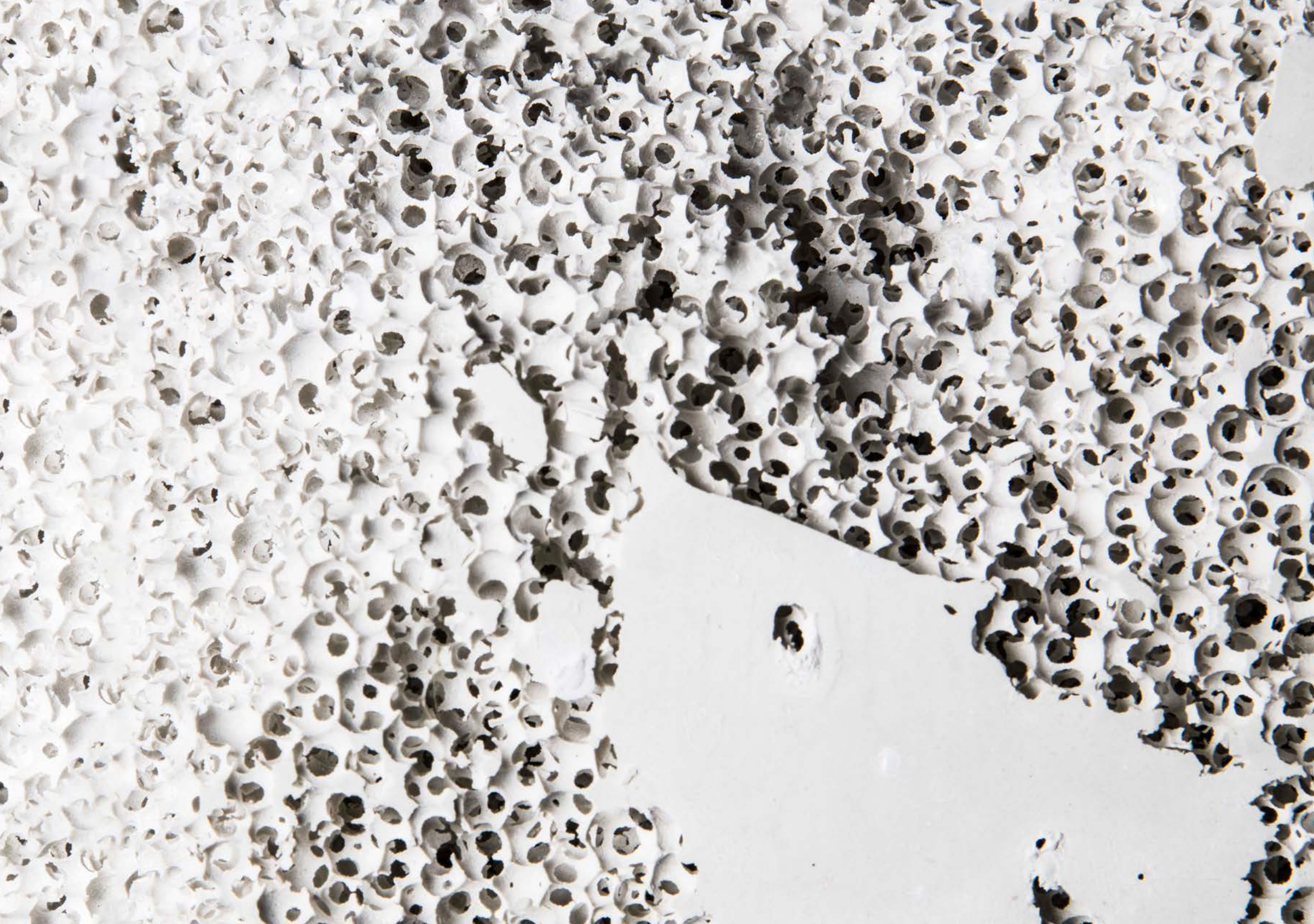
ZIG-J-W



Sample combinations:









Project management:  
Text:  
Copy editor:  
Graphic design and typesetting:  
Photo credits:

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