
BARKA
Next-Generation UHPC
Architectural Concrete
UHPC Architectural Concrete • Engineering • Complex Forms • Integrated Solutions

Facts & Figures



B60 / W20 / F400

we manufacture high-performance cast architectural concrete (UHPC class)

70 +

completed projects across Russia

16 000 м²

of production facilities

200 +

industry professionals on the team

3

robotic production lines

Solutions


LANDSCAPING


BARKA
FAÇADES


WATER FEATURES


SPORTS FACILITIES

Fountain and Urban Elements for SberCity



BARKA designed, produced, and installed the full ensemble for the SberCity water plaza - a multi-level cascading fountain with bridges, bespoke UHPC benches, and retaining walls, all integrated into a unified architectural composition.

We manufactured over 100 UHPC elements, with individual segments weighing up to 14 tons.
Most components feature complex three-dimensional geometry with extremely high precision.

Fountain and Urban Elements for SberCity



The entire water zone was delivered in record time — 2 months, and its opening was aligned with a key event of the SberCity innovation complex.



The fountain is manufactured from high-performance cast architectural concrete (UHPC) enhanced with photocatalytic additives, which give the surface self-cleaning properties — a unique technology for projects of this scale.

Stream, Urban Elements and Paving - Lyublinsky Park Residential Complex



For the Ostrov playground in Lyublinsky Park, we manufactured a cast UHPC stream with elevation changes, extended seating zones, paving elements and decorative play components - all produced from high-performance architectural concrete.



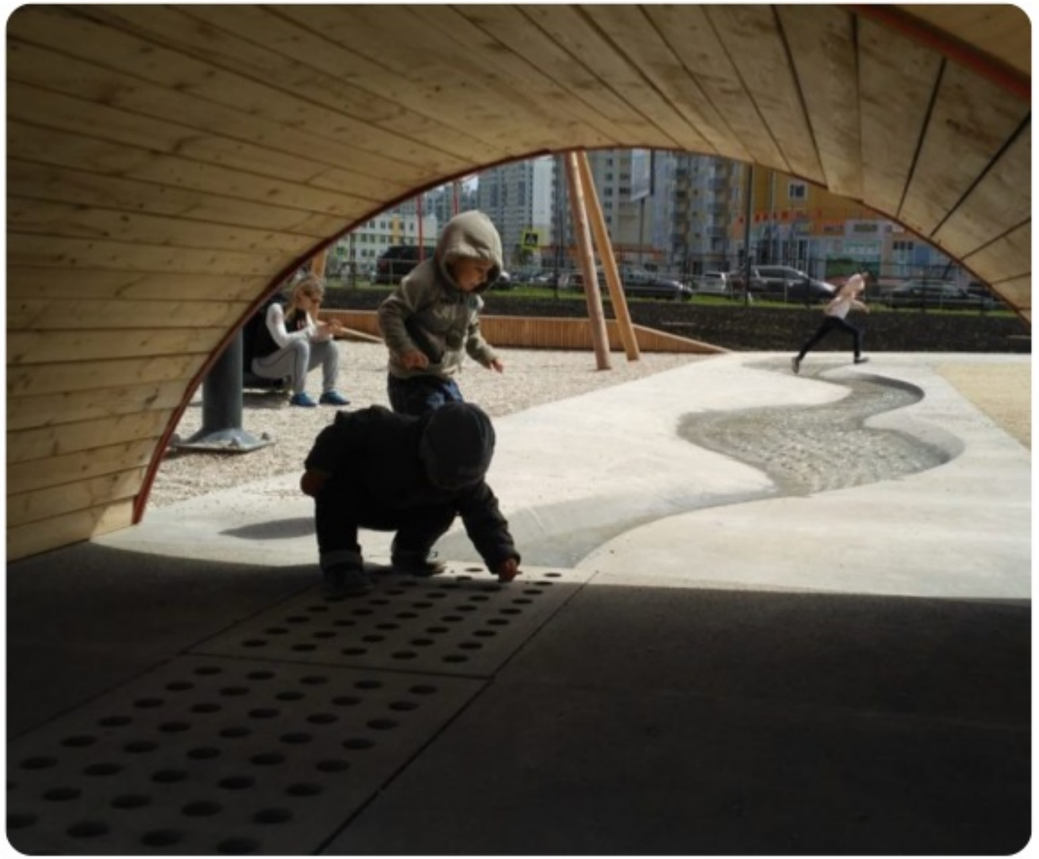
The seating areas are integrated with the paving, forming a unified contour of the landscape composition.иции.

Stream, Urban Elements and Paving - Lyublinsky Park Residential Complex



Play Stream & Urban Elements - Buninskiye Luga Residential Complex





At Buninskiye Luga, we designed, manufactured, and installed a multi-curved UHPC play stream that runs through the entire "Pyramids" zone, unifying the playground into a single cohesive space and creating an engaging interactive route for children.

The elements are made of high-performance architectural concrete with a textured, anti-slip finish resistant to water and mechanical loads. The geometry ensures a smooth and stable water flow throughout the channel.

Khabarovsk Play Stream



For the reconstruction of Blücher Square, we manufactured a curvilinear UHPC water channel, provided full technical support, and carried out remote supervision during installation.

The stream became the central feature of the renewed public space, connecting pedestrian routes with the children's playground.

Play Streams - Kazan



The stream at Lake Kaban runs along the promenade in a smooth, continuous line; its geometry provides stable water flow and a safe transition between activity and leisure areas.



The stream near the Kamal Theatre is made of high-performance architectural concrete and accurately embedded into the play zone.

Fountains



Voskresensk City
A multi-level cascading UHPC fountain: a complex of bowls and edges cast with high precision and assembled into a continuous line.



PUSCHINO Residential Complex
A large-scale UHPC fountain with a clean minimalist outline and impressive size.

Amphitheatre & Urban Elements - WestGarden Residential Complex



Amphitheatre & Urban Elements - WestGarden Residential Complex



All elements are made from high-performance architectural concrete designed for long-term urban operation.



In WestGarden, we produced and installed a smooth, curved UHPC amphitheatre with an integrated bar counter — the focal point of the courtyard space.

Scenic Bench - Botanica Shopping Center



Its wave-like geometry follows the natural curve of the pedestrian zone near "Botanichesky Sad" metro station, forming a comfortable, panoramic seating area.

The bench consists of 14 UHPC segments precisely aligned to create a visually seamless continuous line and long-term stability.

Urban Elements - REKA 2 Residential Complex (Feature Planter)



Contour lighting integrated along the lower edge creates a "floating garden" effect in the evening.



For the main entrance area, we produced and installed an elongated planter made of light-grey polished architectural concrete.

Urban Elements - REKA 2 Residential Complex (Feature Planter)



The benches are made of white architectural concrete with quartz filler: the surface subtly shimmers in daylight. Integrated bottom lighting and monolithic casting ensure durability and a premium aesthetic.



Tall grey planters with a distinctive faceted geometry are cast in the same UHPC mix as the central planter, visually unifying the entrance ensemble.

Wide- and Medium-Format Panels - Moscow Zoo



Large-format UHPC panels feature a sculpted relief of a manul cat and integrated lettering. The minimal joint width at this scale ensures visual continuity and a clean, monolithic appearance.



The walls of the "Pinnipeds Pavilion" are clad with relief UHPC panels where the continuous pattern aligns perfectly at the joints, creating the impression of a seamless surface. The project includes 100 mm thick panels across 13 unique sizes.

Urban Elements - Moscow Zoo



In the "River Square" zone, BARKA produced a full set of landscape elements with smooth concrete contours that shape the seating areas and navigation levels around the water feature.



The elements are manufactured from high-performance architectural concrete with a moisture-resistant, durable surface designed for intensive foot traffic.

Amphitheatre & Urban Elements — FORE RIVER Residential Complex



BARKA manufactured and installed a curved UHPC amphitheatre with soft radii — the central focal point of the courtyard. The geometry creates layered seating tiers and defines the spatial rhythm of the walking area.



Elongated seating lines made from monolithic cast architectural concrete run along the stylobate, transitioning seamlessly into retaining elements.

Stream & Landscape Elements - DOSTIZHENIE Residential Complex



At Dostizhenie, BARKA delivered a full set of UHPC elements: staircases, an amphitheatre, an extended play stream and various benches — all executed in a unified geometry and colour, creating a coherent public space.



A bespoke zenith lantern made from high-performance architectural concrete features precise cast geometry and natural overhead lighting.

Integrated Amphitheatre & Stream - DOSTIZHENIE Residential Complex



The stream is integrated directly into the amphitheatre: water flows along the cascade without wetting the seating zones, and the channel gently transitions into the play area.



Compact amphitheatre forms create a comfortable seating area next to the sports ground.

Unified UHPC Landscape System - DOSTIZHENIE Residential Complex





The residential complex features a wide range of UHPC elements — varying bench geometries, planters and stair structures — produced in one material and surface finish.

Urban Elements - Intonatsiya Residential Complex



The project includes radial UHPC bench-planters with soft, curved geometry.



The elements are precisely integrated into the courtyard layout, framing green areas and forming clean, continuous seating lines.

Urban Elements



B’Aires Residential Complex
Cast-in-place UHPC benches and seating modules forming a cohesive outdoor composition.



ZAPADNY PORT Residential Complex
Benches and other UHPC landscape elements precisely integrated into the courtyard layout.

Pump Tracks





We manufacture modular UHPC pump-track systems: the modules assemble into continuous routes of any length or scale. Smooth curvature ensures stable and safe riding for users of all skills.

Skate Parks



BARKA produces UHPC skate elements with precise radii and contours designed for smooth acceleration and safe manoeuvring.



High-durability concrete surfaces withstand repeated impact loads and maintain their geometry under intensive use.

Contacts

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