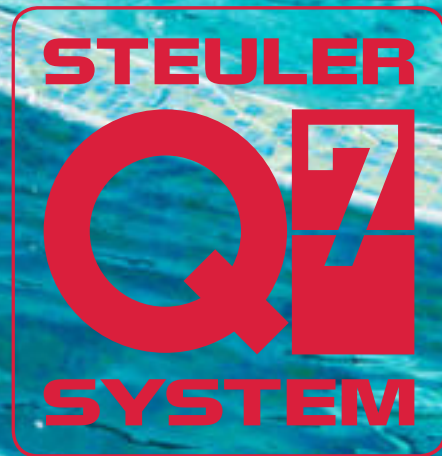


STEULER Pool Linings

the culture of swimming pools



FOCUS ON PROGRESS

The ultimate in swimming pool construction

STEULER-Q⁷-System

From exclusive private pools to hotel spas and competition pools – Steuler Pool Linings is one of the premier suppliers of commercial and private pools.

You can rely on swimming pool linings from Steuler. Manufactured in-house, always individually designed and tailored according to our customers' needs, visually appealing, and watertight for decades. Thanks to the flexible choice of the surface finishes, a STEULER-Q⁷ pool immediately stands out from other types of pools. Warm colors, attractive designs, and appealing geometries have been delighting our satisfied customers for decades.

The tried-and-tested STEULER-Q⁷-System is a well-established Steuler Group brand. As such, we offer our customers and partners the responsible security and long-term dependability that comes with a stable, German family-owned company. Founded in 1908, the Steuler Group is now one of the world's leading specialists in industrial linings and plant engineering. Sustainable workmanship, innovative technologies, and over 2,500 team players with a wealth of expertise and experience at 20 locations around the world are the cornerstones of the Steuler Group's success.




Photo: Peters Fotodesign



We combine engineering, materials, and installation into a comprehensive high-performance package. Feel free to contact us regarding any aspects of your construction project.



	Construction of new indoor and outdoor pools	
	Waterproof lining	1,400 m ²
	water surface	610 m ²

High-quality pool linings have a name:

STEULER-Q⁷-System

From substrate preparation to the final surface, the STEULER-Q⁷-System features a precisely coordinated sequence of compatible layers that ensure long-term durability and reliability. Whether the pool is later adorned with tiles, porcelain stoneware, ceramic mosaics, glass mosaics or natural stone products: The STEULER-Q⁷-System allows for any combination and design you can imagine. Custom sizes, moldings and accessories together with exciting color combinations give you free rein to create never-before-seen pool architecture.

Creative ideas are what make a pool facility attractive. The more ambitious a pool's construction concept, the more important it is to incorporate a reliable waterproofing system from the start. It shouldn't limit your imagination and must remain as watertight in years to come as on day one.



Time-saving and dependable leak testing



Monolithic system



Possible to retrofit features at any time



Consistent layer thickness



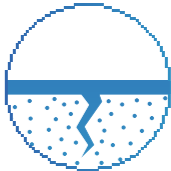
High tear resistance



Non-porous surface



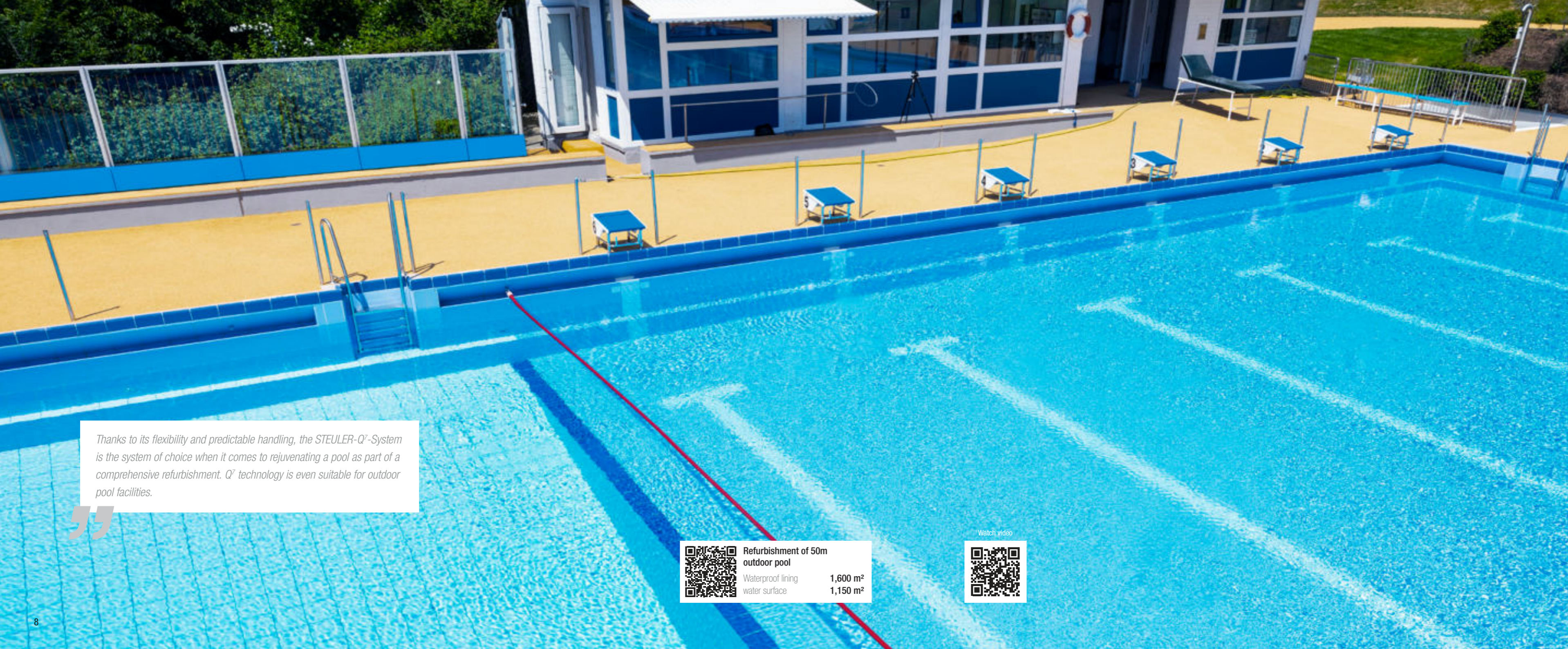
Suitable for all connections and built-in components



Crack bridging



Waterproofing work possible just four weeks after concreting

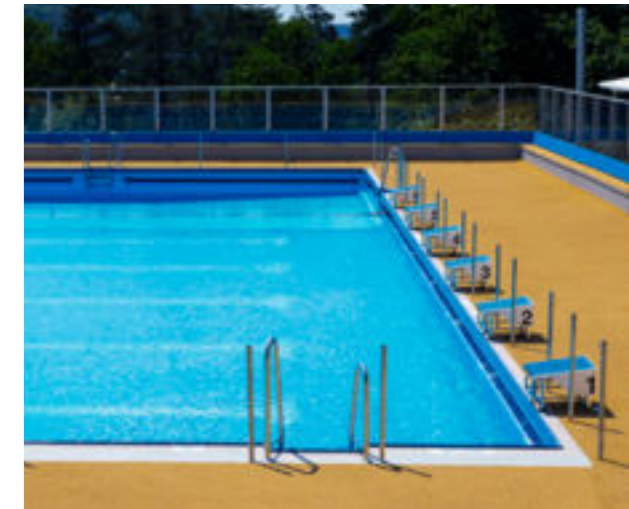


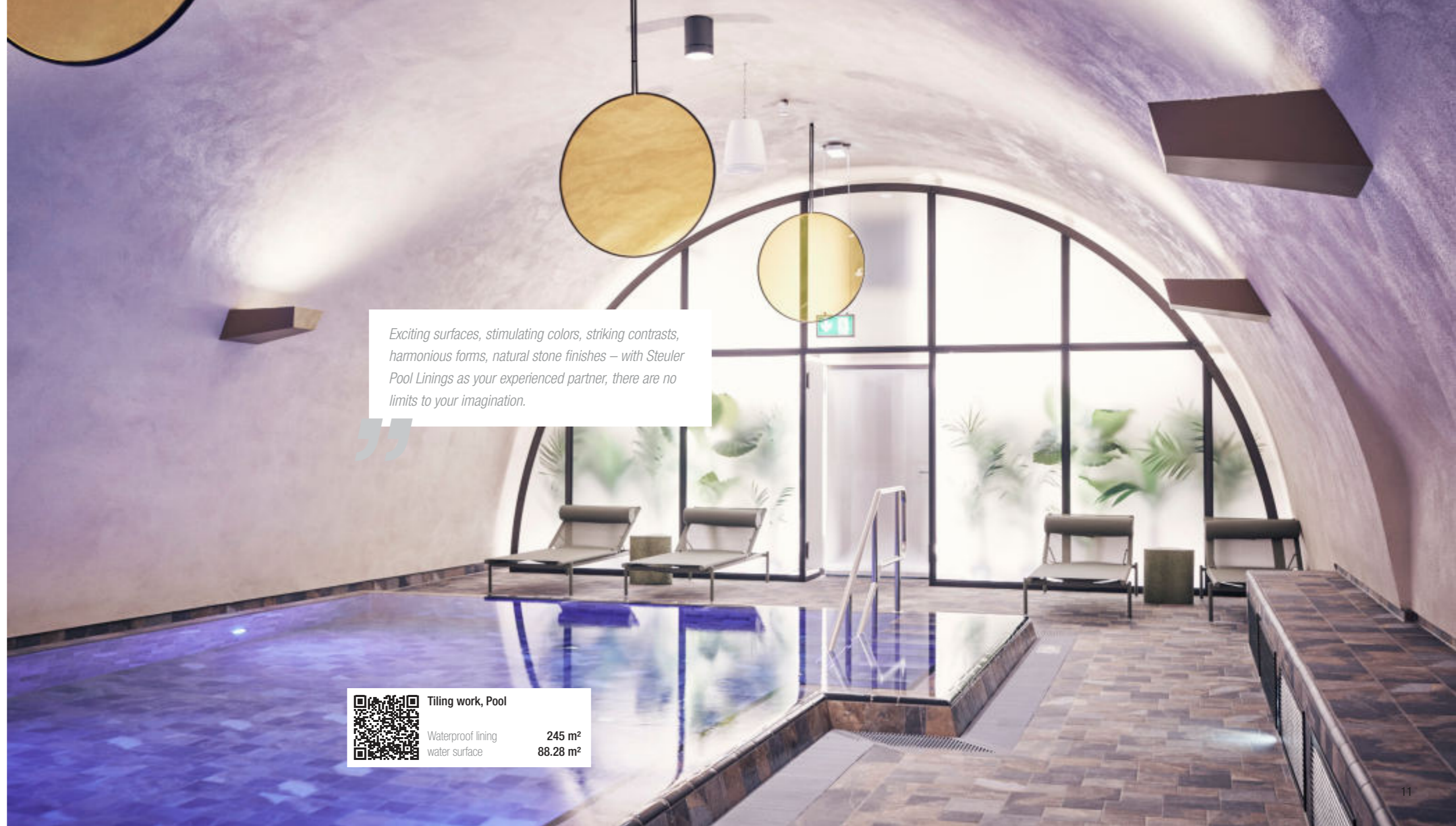
Thanks to its flexibility and predictable handling, the STEULER-Q⁷-System is the system of choice when it comes to rejuvenating a pool as part of a comprehensive refurbishment. Q⁷ technology is even suitable for outdoor pool facilities.




Refurbishment of 50m outdoor pool
Waterproof lining 1,600 m²
water surface 1,150 m²

Watch video



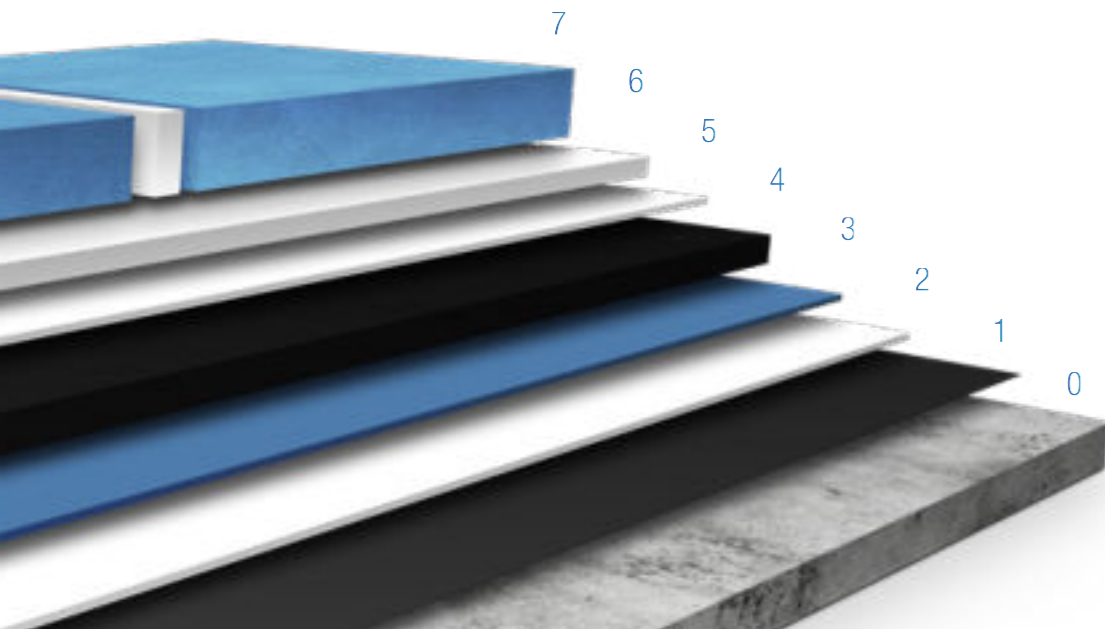


Exciting surfaces, stimulating colors, striking contrasts, harmonious forms, natural stone finishes – with Steuler Pool Linings as your experienced partner, there are no limits to your imagination.

	Tiling work, Pool	
	Waterproof lining	245 m ²
	water surface	88.28 m ²

Longevity by design

Each of the perfectly coordinated layers performs a specific function. Only when combined in this exact way do they create a system that is greater than the sum of its parts: the STEULER-Q⁷-System provides for more flexibility, allowing even the trickiest of shapes and details to be reliably waterproofed.



[0] Substrate: **concrete/screed/plaster**

[1] Conductive leveling and priming filler **ALKADUR HR**

The application of an electrically conductive epoxy resin filler serves as the basis for the subsequent rubber membrane system. The filler layer also allows for high-voltage leak testing using an electrical resistance meter later on.

[2] Elastomeric primer **STEULER PRIMER P3**

[3] Elastomeric adhesive **STEULER ADHESIVE K3-S**

[4] Rubber membrane/waterproof sheet **STEULERBUTYL V10-S, 2 mm**

The tried-and-tested central element: a proven, 2 mm thick bromobutyl rubber membrane. In addition to high elasticity, tensile strength, and tear resistance, it has excellent recovery properties as well as high vapor and gas impermeability.

[5] Bonding and protective coating **ALKADUR HR SRATCH COAT**

[6] Epoxy resin bedding mortar **ALKADUR**

[7] Top layer: Epoxy resin grout **ALKADUR SB**

The various top layer materials are laid and grouted using physiologically safe epoxy resin compounds. Material combinations involving porcelain stoneware, mosaics, glass mosaics, and natural stone products are easily realizable, offering near endless design possibilities.



■ The layer build-up begins with the preparation of the concrete substrate, during which loose layers are removed by milling and sandblasting.

■ Next, a conductive epoxy resin filler is applied, which allows for later electrical leak testing.

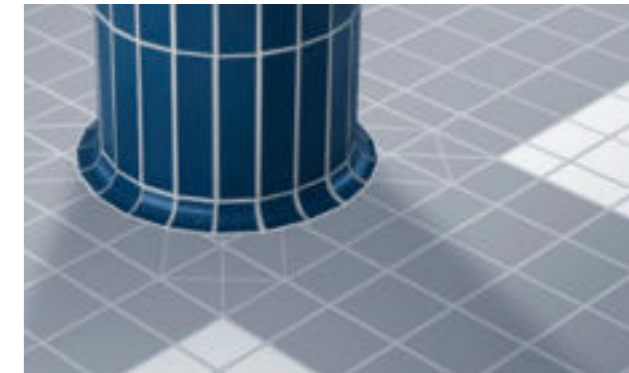
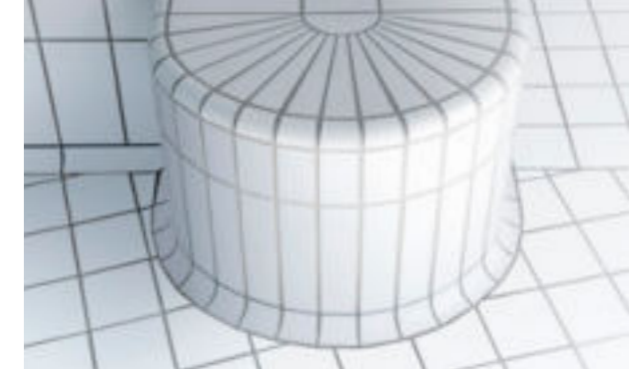
■ This is followed by the elastomeric primer, which ensures proper adhesion between the epoxy resin layer and the subsequent elastomeric layers.

■ A self-vulcanizing cold adhesive is applied twice to both the membrane and the substrate to bond the rubber membrane firmly to the substrate.

■ The 2 mm thick bromobutyl rubber membrane forms the core of the waterproofing system and provides for maximum elasticity as well as vapor and gas impermeability.

■ After careful bonding and leak testing, a protective coating is applied.

■ Finally, decorative top layers, such as ceramic or natural stone, are laid in an epoxy resin bed.



 **General Technical Approval**
according to load classes A1/A2, B, C.
steuler-schwimmbadbau.de ▶ Media ▶ Technical Information ▶ Test Certificates



Verified impermeability

The central role of our material system

The fourth layer of our STEULER-Q⁷-System is a highly tear-resistant bromobutyl rubber membrane that flexibly adheres at all points to every shape and geometry, reliably waterproofing pools, poolside areas, and built-in components.

Particular care and expertise are required during installation, especially in the critical connection areas around steps, component and expansion joints. Experts know that these are often the areas that cause problems for conventional waterproofing systems. This is why we only entrust the installation of the STEULER-Q⁷-System to our trained specialists, who handle the material in line with rubber membrane best practices.

Before the surface material is installed, we ensure that the waterproof layer has been properly installed using a special high-voltage testing method. This offers a significant time benefit for subsequent construction steps, as the time-consuming and often unreliable leak test involving filling the pool with water can be omitted.

The later safety and unrestricted usability of your pool facility begin with competence, experience, and attention to every detail, ensuring that you will be as satisfied in 20 years as you are on day one.



Technical data

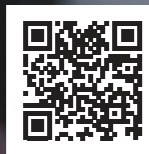
STEULERBUTYL V10/S

Property [Unit]	Value	Testing Standard
Polymer	BIIR/CR	DIN ISO 1629
Density [g/cm ³]	1,31 ± 0,02	DIN 53479
Shore hardness A	62 ± 5	DIN 53505, ASTM D 2240
Tear resistance [MPa]	≥ 4,0	DIN 53504
Elongation at break [%]	≥ 350	DIN 53504
Temperature stability [°C]	-25 to +80	
Temperature application limit [°C]	-35 and +80	
Test voltage for leak testing [kV]	5	DIN EN 14879

Leak testing according to DIN EN 14879

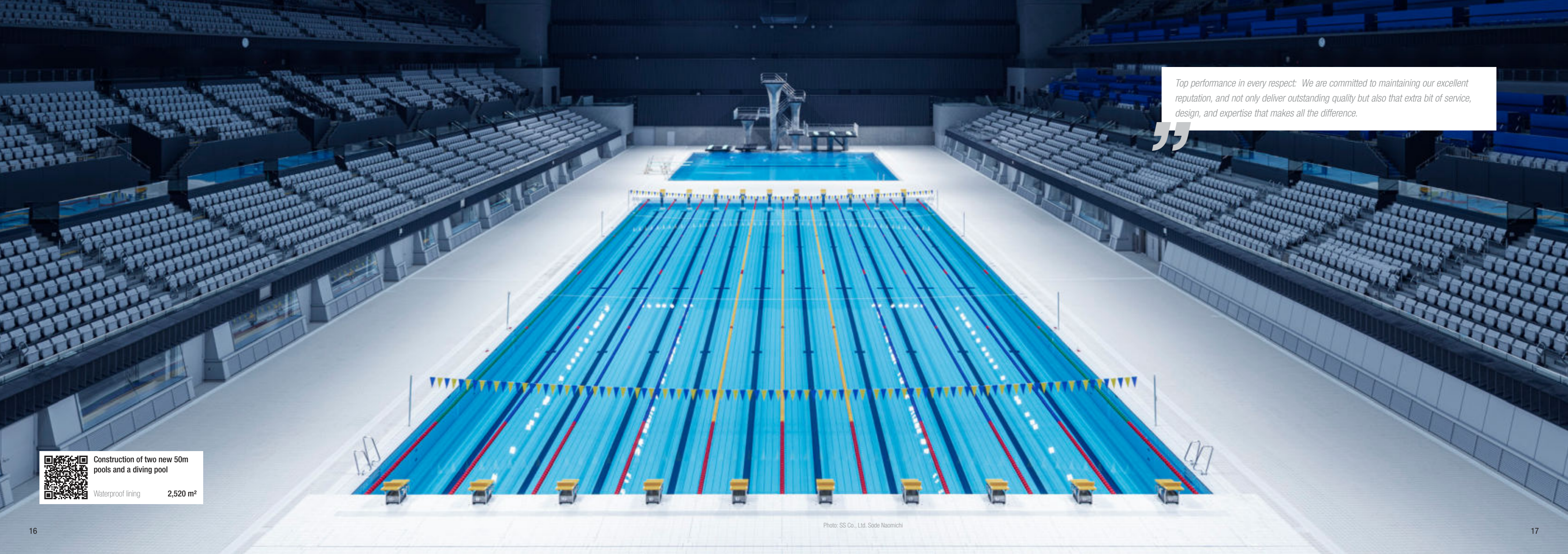
For faster project completion

Watch video



Technical data
STEULERBUTYL V10/S

steuler-schwimmbadbau.de ▶ Media ▶ Technical data



Top performance in every respect: We are committed to maintaining our excellent reputation, and not only deliver outstanding quality but also that extra bit of service, design, and expertise that makes all the difference.





 Construction of two new 50m pools and a diving pool
Waterproof lining 2,520 m²

Photo: SS Co., Ltd. Sode Naomichi

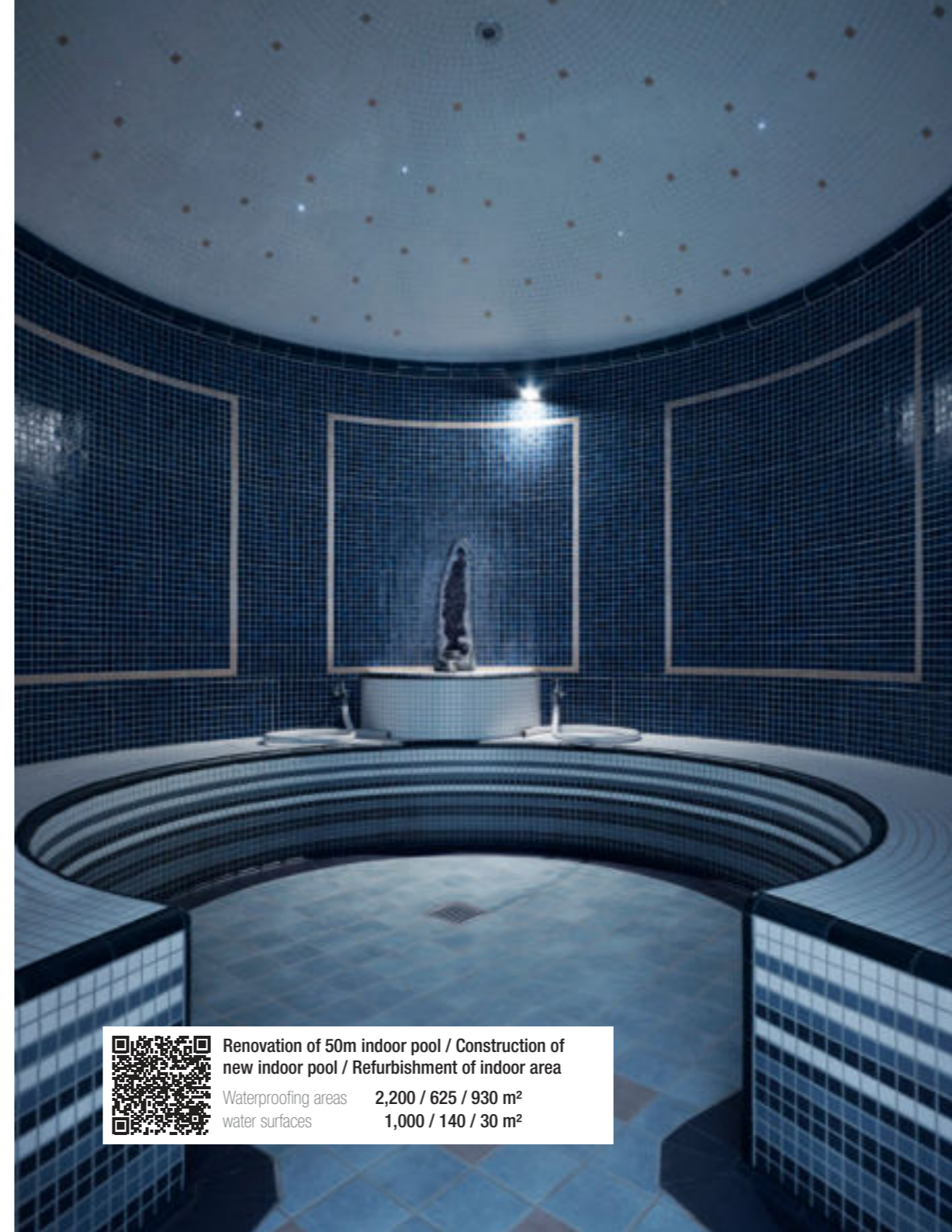



We turn your visions into realizable plans and ensure their smooth implementation – up to the first swim in your new pool.

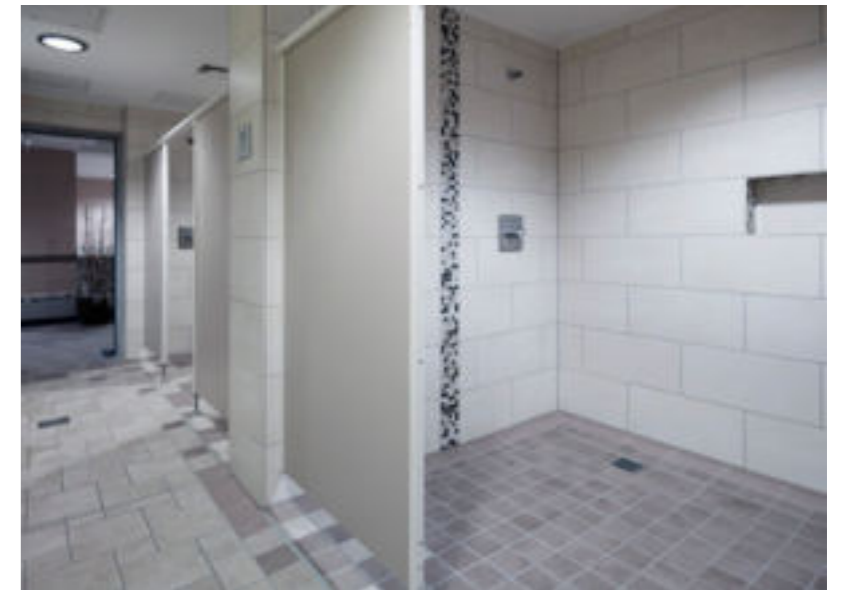


 Comprehensive renovation of a swimmer pool with diving pool, poolside area with benches, and shower rooms

Pool floor and walls	500 m ²	showers	250 m ²
poolside areas	300 m ²	water surface	315 m ²




 Renovation of 50m indoor pool / Construction of new indoor pool / Refurbishment of indoor area
 Waterproofing areas 2,200 / 625 / 930 m²
 water surfaces 1,000 / 140 / 30 m²





Accompanying you every step of the way



The experienced team at Steuler Pool Linings offers all services from a single source: from planning, consulting, and visualization to project management and execution. We support you and your project partners with personal meetings, offer valuable assistance in realizing creative concepts, specify materials and implementation details together with you, and reliably manage your project.

State-of-the-art CAD technology helps us turn your vision into a concrete plan – even including a laying pattern for the tile and natural stone surface finishes.

Whether it concerns the initial inspiration, professional engineering services, or expert installation by our own experienced technicians – as reliable experts, we support you throughout every stage of your project. Cleaning instructions and guidelines for filling and winterization are, of course, all part of our comprehensive package.



Construction of new outdoor pool
 Waterproof lining 515 m²
 water surface 245 m²

Photo: Will Essig

We demonstrate integrity

Constructive ideas, certified materials, and comprehensive consulting in every detail demonstrate that Steuler Pool Linings is also thinking ahead when it comes to sustainability.

The lifespan of the materials used is crucial – because something that lasts longer needs to be replaced less often. This saves on renovation and replacement costs, conserves resources, and avoids the expense involved in disposing of metals or GRP components.

By choosing Steuler Pool Linings, you gain a partner with well-thought-out, reliable system solutions for your pool facility that pay from the outset and over the long term. This is thanks to our proven materials, rapid and reliable on-site installation, and solutions that significantly reduce ongoing maintenance costs – especially in outdoor pools.



A STRONG GROUP
Steuler Linings
Sustainability Report

steuler-linings.de ▶ About us ▶ Sustainability



As Steuler Group company, we are committed to a corporate philosophy of sustainable thinking and action. Our Sustainability Report reveals to our business partners where we stand in terms of sustainability, what action we are taking and the challenges we face.

Your project is in the best of hands with us. From the initial concept to the opening ceremony and every step in between, it pays to have professionals with decades of experience at your side.



Preparation, waterproofing, and tiling work for heated outdoor pool

Waterproof lining	700 m ²
water surface	250 m ²



With Steuler Pool Linings, your personal ideas of shape, design, color and features will be realized in perfect harmony with the style of your pool facility.



 Extension of outdoor pool and sauna area

Waterproofing areas	1,150 m ²	1,250 m ²
water surfaces	450 m ²	320 m ²

Our satisfied customers particularly value our excellent consultancy service, advanced materials, and high-quality workmanship.



Construction of new indoor pool

Waterproof lining	150 m ²
water surface	60 m ²

STEULER Pool Linings

Your **contact** for sustainable
swimming pool construction

STEULER
BEKA
POOL

Alpha
Line
STEULER

23 COUNTRIES
300,000 m² WATER SURFACE AREA
45 YEARS OF EXPERIENCE
900 POOLS

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