

Plastic sheets for swimming pools

- Made of Polystone® P PG, Polystone® P PGX and Polystone® P CubX® PG-UV stabilized white
- For individual swimming pools with a high feel-good factor and lots of fun in the water



Swimming Pools



CENTRAL
POOL

Plastic sheets for swimming pools

Plastic sheets for swimming pools made of our brand materials Polystone® P PG, Polystone® P PGX and Polystone® P CubX® PG-UV stabilized white. Used worldwide by pool manufacturers.

- High resistance to chlorine and UV radiation and offering a high-quality surface
- Available in a variety of colours to suit individual designs and customer requests

Easily design individual swimming pools for your customers that have a long service life, a high feel-good factor and which offer lots of fun in the water.



Polystone® P PG and Polystone® P PGX

Our Polystone® P (Copolymer) PG and Polystone® P (Copolymer) PGX pool grades are available in various colours and dimensions, having high strength, good weldability and a high/very high resistance to chlorine and UV.

Polystone® P (Copolymer) PG

- High mechanical strength
- Good weldability
- High resistance to chlorine and UV

Polystone® P (Copolymer) PGX

- High mechanical strength
- Good weldability
- Very high resistance to chlorine and UV



Material	Product range	Dimensions ex stock
Polystone® P (Copolymer) PG	<ul style="list-style-type: none"> • Various dimensions • Different colours • Available with a smooth surface and grained, barefoot-friendly surface with a very pleasant feel • Rolls with a length of 10 – 30 m (max. thickness 6 mm) available on request 	<ul style="list-style-type: none"> • 4,000 x 1,500 mm in various thicknesses • 3,000 x 1,500 mm in various thicknesses • Colours: blue, white and grey (further colours on request)
Polystone® P (Copolymer) PGX	<ul style="list-style-type: none"> • Various dimensions • Different colours • Available with a smooth surface, a grained, barefoot-friendly surface with a very pleasant feel and the three-dimensional “Cubic grain” • Rolls with a length of 10 – 30 m (max. thickness 6 mm) available on request 	<ul style="list-style-type: none"> • 4,000 x 1,500 mm in various thicknesses • 3,000 x 1,500 mm in various thicknesses • Colours: blue, white and grey (further colours on request)

Protective film: Sheets made of Polystone® P (copolymer) PG and Polystone® P (copolymer) PGX with a smooth surface are delivered by default with a protective film cover as protection against scratches during transport, handling and installation. The film shall be removed immediately upon finishing installation. Grained surfaces are not covered with a protective film.



Swimming pool made from Polystone® P PGX sheets, Image: CENTRAL-POOL

Polystone® CubX®

Polystone® CubX® is our innovative tank construction sheet with a unique internal cube structure. The special feature is the sheet design: on the inside, Polystone® CubX® consists of a homogeneous, rectangular (orthogonal) grid pattern, which is welded to two sheets on the outside, forming the sheet surface. This results in a construction sheet that has a low weight and a very high longitudinal and transverse rigidity. In this way, **a reduction of steel reinforcements** of up to 100% becomes possible. **The time saved in tank construction is tremendous.**

We developed Polystone® P CubX® PG-UV stabilized white specifically for the requirements of pool design. The white, UV-stabilized cover sheet can be used to realize **visually high-quality pools** having a **high resistance to UV** and, depending on the design, completely dispensing with steel reinforcements. The use of PP reinforcements, which are often welded on at the outside, can also be significantly reduced, depending on the design, in turn reducing processing time.



Polystone® P CubX® PG-UV stabilized white: permits the reduction of steel reinforcements by up to 100%

Material

Polystone® P CubX® PG-UV stabilized white

Properties

- High longitudinal and transverse rigidity
- High chemical resistance
- Low weight, easy handling
- Good thermal insulation

Stock program

- Format: 2,000 x 1,500 mm
- Thickness: 57 mm
- Colour: white (RAL 9010)

Application examples



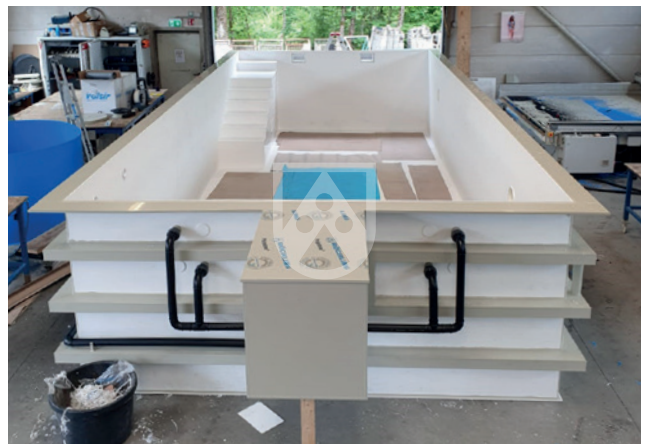
Swimming pool made from Polystone® P PGX sheets,
Image: CENTRAL-POOL



Round swimming pool made of blue Polystone® P PG sheets,
Image: Klees & Fröhlich GmbH



Stairway made of Polystone® P PG sheets,
Image: Klees & Fröhlich GmbH



Rectangular swimming pool designed using sheets made of
Polystone® P PG, Image: Klees & Fröhlich GmbH



Overflow tank made from Polystone® CubX®

Frequently, very little space for equipment is included in the layout of swimming pools. Larger tanks and machines can only be installed with great effort. Depending on the design, Polystone® CubX® can be used to install compact overflow tanks very quickly and easily without steel reinforcements. In this way, the space required is reduced and installation is facilitated.

Welding rods

For a visually pleasing swimming pool, sheets and welding rods have to be precisely coordinated in terms of colour. Matching our Polystone® P sheets for swimming pools in blue, white and grey, we have welding rods in these colours available directly from stock. Our welding rod is specially designed for our sheets. In conjunction, they result in a visually pleasing, comprehensive image.



Properties



High resistance to UV radiation, weathering and chlorine

We have developed our materials specifically for the requirements of swimming pools. They are characterized by high resistance to UV radiation, weather conditions and chlorine. For decades we have been improving the weathering stability of our plastics in our in-house materials laboratory and we regularly test them in storage tanks and by using rapid weathering tests.



Robust

Sheets made of Polystone® P PG, Polystone® P PGX and Polystone® P CubX® PG-UV stabilized white show a high mechanical stability. The great toughness of the material prevents cracks and spider cracks and therefore has advantages over designs using GFRP (glass-fibre reinforced plastic).



Homogeneous and high-quality surface

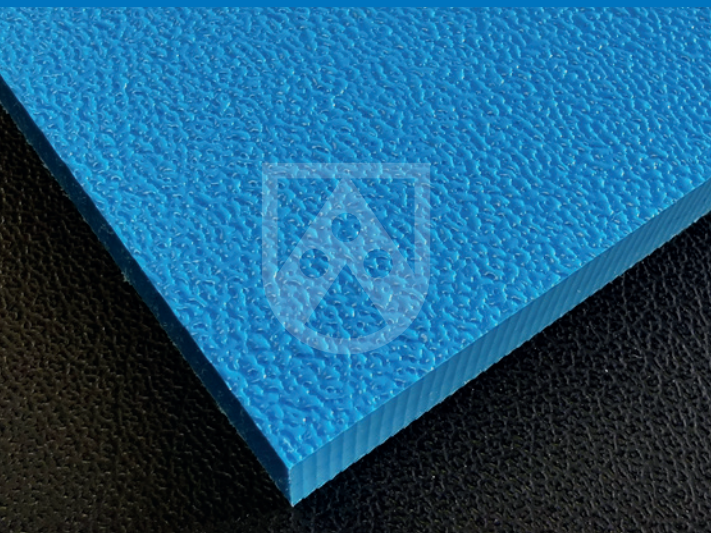
Swimming pools with sheets made from our brand materials have a homogeneous and high-quality surface. Compared to swimming pools with tile lining, there are no joints susceptible to corrosion. At the same time, the surface is very easy to clean.



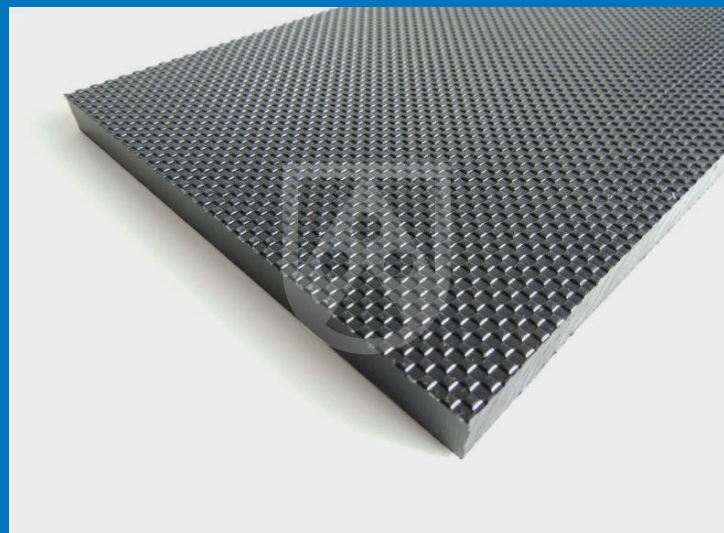
Easy to process

Polystone® P sheets are very easy to process and weld. In this way they support the quick completion of swimming pools and a design based on different shapes and sizes.

Pinseal embossing – grained, barefoot-friendly surface with a very pleasant feel: available on request for Polystone® P PG and Polystone® P PGX



Three-dimensional, cube-shaped grain “Cubic grain”: available on request for Polystone® P PGX



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