

The SIMONA logo is located in the top right corner. It consists of the word "SIMONA" in a bold, white, sans-serif font, set against a solid red rectangular background.

SIMONA



SIMOPOL

Product range for pool design

GLOBAL THERMOPLASTIC SOLUTIONS

ABOUT SIMONA

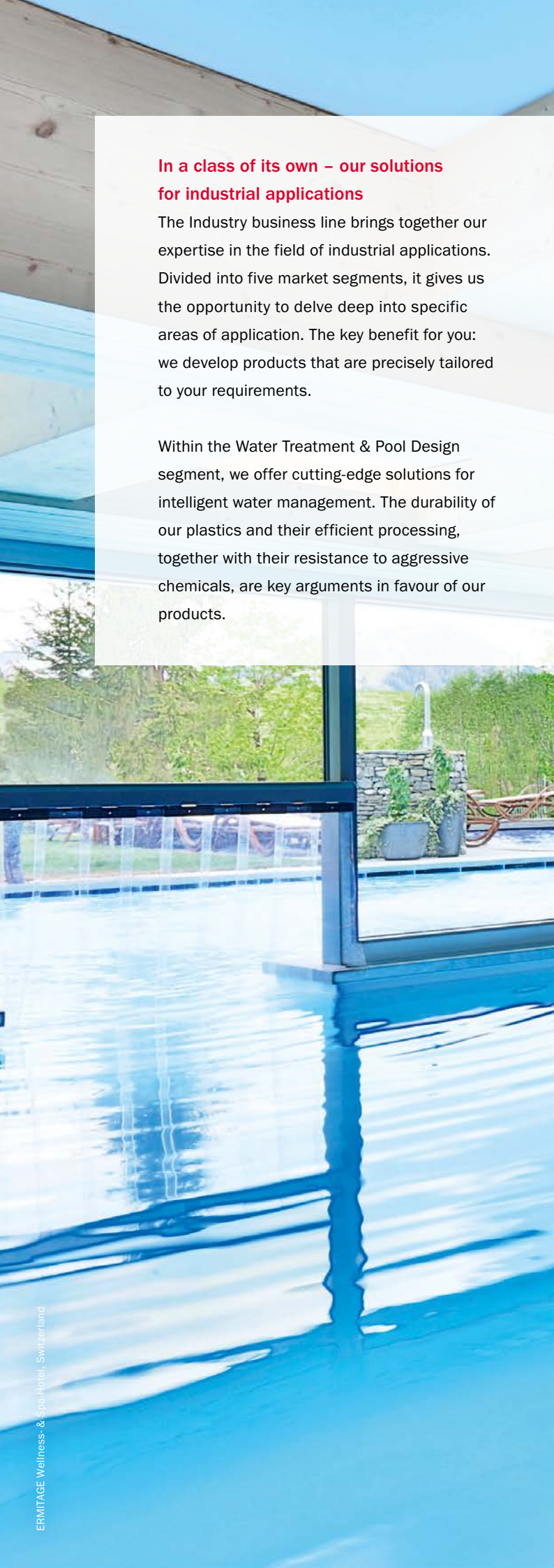
Acknowledged as a premier manufacturer of thermoplastic products, the **SIMONA Group** has been synonymous with quality, reliability and precision for more than 160 years. Encompassing more than 35,000 items, our product range is probably one of the most extensive worldwide. Our team of 1,500 employees is committed to finding the most effective material for customer applications, developing compelling product solutions and providing best-in-class technical support.

Our semi-finished plastic products and piping systems are designed to meet the challenges of the future. The areas of application for our products could hardly be more diverse: **SIMONA** plastics make aircrafts lighter, chemical plants safer and piping systems more efficient.

Our five business lines:

- **Industry**
- **Infrastructure**
- **Advertisement & Building Industry**
- **Mobility**
- **Aquaculture**

SIMONA has production plants in Europe, America and Asia. Operating with sales companies in 14 countries and a global network, we maintain a fast, flexible and reliable delivery service. Anytime, worldwide.



In a class of its own – our solutions for industrial applications

The Industry business line brings together our expertise in the field of industrial applications. Divided into five market segments, it gives us the opportunity to delve deep into specific areas of application. The key benefit for you: we develop products that are precisely tailored to your requirements.

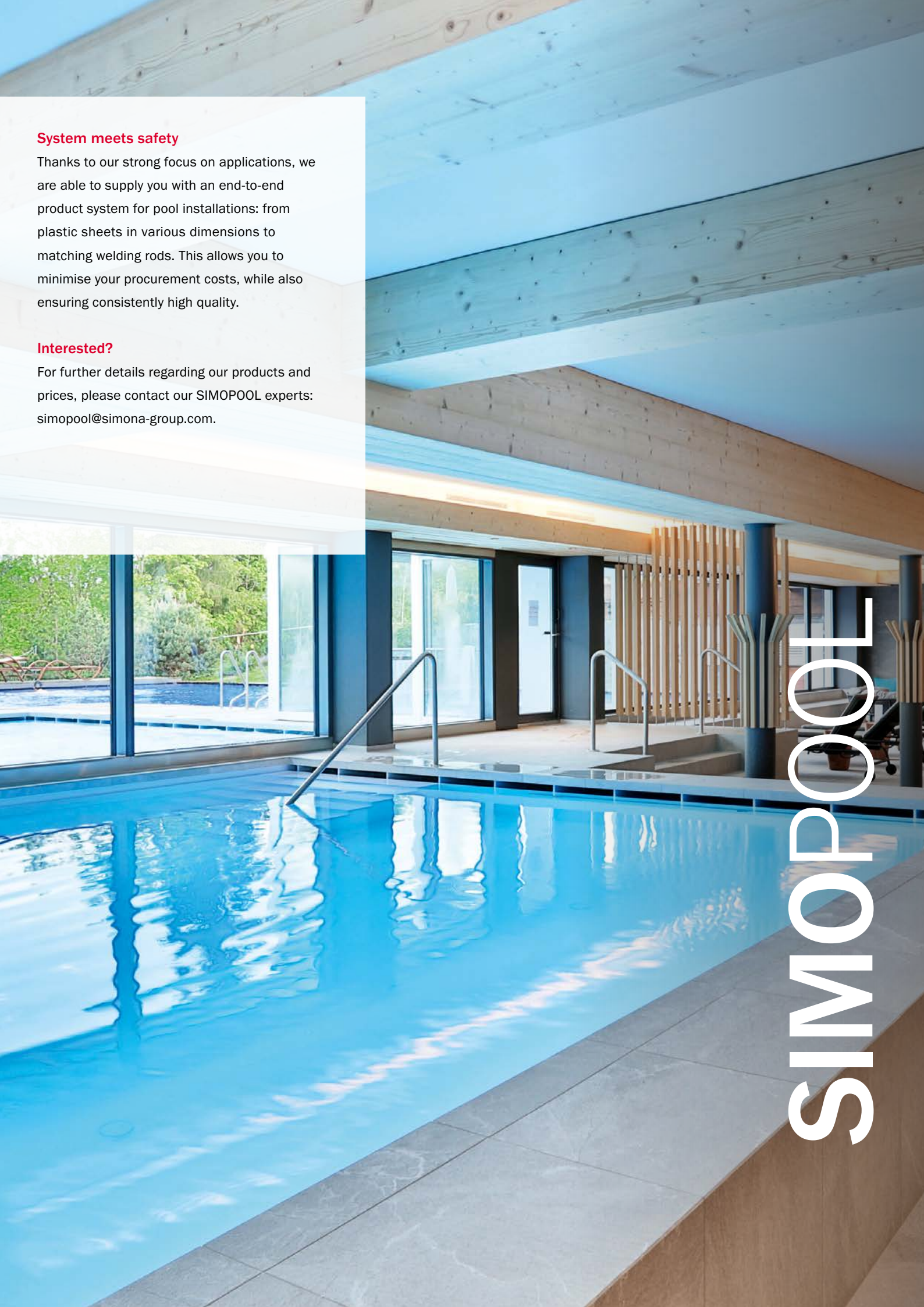
Within the Water Treatment & Pool Design segment, we offer cutting-edge solutions for intelligent water management. The durability of our plastics and their efficient processing, together with their resistance to aggressive chemicals, are key arguments in favour of our products.

System meets safety

Thanks to our strong focus on applications, we are able to supply you with an end-to-end product system for pool installations: from plastic sheets in various dimensions to matching welding rods. This allows you to minimise your procurement costs, while also ensuring consistently high quality.

Interested?

For further details regarding our products and prices, please contact our SIMOPPOOL experts: simopool@simona-group.com.

A large, modern indoor swimming pool with a wooden ceiling and large windows. The pool is filled with clear blue water, and the surrounding area is finished with light-colored stone tiles. The architecture features exposed wooden beams and a clean, minimalist design.

SIMOPPOOL

PREMIUM-QUALITY POOL SYSTEMS WITH SIMOPOOL

Our SIMOPOOL line includes a wide range of semi-finished plastics for pool installations. Be it a training pool or a garden oasis, SIMOPOOL is the perfect choice for tailor-made swimming pool design – both indoor and outdoor.

Key benefits

Superior material resistance

SIMOPOOL products are UV and weather resistant and resistant to pool water. They also offer high temperature resilience and a good level of toughness. A system of continuous monitoring is in place with regard to all quality features of these products.

Efficient processing

Customised pool shapes can turn the entire design process into a considerable challenge when it comes to precision engineering. With this in mind, we place particular emphasis on the aspect of ease and speed of application when developing our SIMOPOOL products. As a result, SIMOPOOL sheets can be welded together very efficiently – the perfect solution even for the most intricate pool designs.

Cleanliness and safety

SIMOPOOL sheets are completely odourless. Their surface has a low level of dirt adhesion and is particularly easy to clean. This saves time and provides the basis for clean and safe bathing.

Luxurious appearance and customised design options

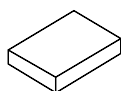
Whether it's a simple or a highly sophisticated pool design – the construction material has to be able to match the individual requirements and creativity of the pool owner. With SIMOPOOL, the design of exposed steps and bubble jet sections poses no problem whatsoever. Counter-current systems can also be integrated into SIMOPOOL swimming pools. The material also excels when it comes to its radiant colours and high-quality surface finish – both in the smooth standard version and in the embossed design.

In tune with the environment

We love plastics. And our environment. That is why we make a point of ensuring that our SIMOPOOL sheets are particularly durable and 100% recyclable. SIMOPOOL products are designed to prevent osmosis damage, thus extending the life of swimming pools. In addition, no environmentally harmful plasticisers are used in the manufacture of our SIMOPOOL products.

SIMONA plastic sheets have been used successfully in pool design for many years. For information on specific projects completed in the past, please contact your local sales representative.





SIMOPool PP

Vision becomes reality: SIMOPool PP stands for a proven portfolio of high-quality sheet material made of copolymer polypropylene – specially developed for the construction of state-of-the-art pools.

Product features

SIMOPool PP sheets combine easy workability with excellent dimensional stability and a high-quality surface finish. Thanks to a wide range of products in three modern colours, turning pool dreams into reality is as simple as ABC.

- Excellent long-term properties regarding exposure to pool water and UV radiation
- Easy workability
- Embossed sheets with anti-slip surface available (suitable, in particular, for stepping areas)

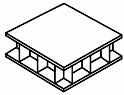
Product range (dimensions in mm)

	SIMOPool PP								SIMOPool PP embossed							
	4,000 x 1,500								4,000 x 1,500							
Thickness	5	6	8	10	12	15	20		5	6	8	10	12	15	20	
kg per piece	27.4	32.9	43.8	54.8	65.7	82.2	109.6		27.4	32.9	43.8	54.8	65.7	82.2	109.6	
Colour	□ ■ ■								□ ■ ■							

	3,000 x 1,500															
Thickness	5	6	8	10	12	15	20									
kg per piece	20.5	24.7	32.9	41.0	49.3	61.6	82.2									
Colour	□ ■ ■															

For details on item availability, please contact our sales team.

Special colours and dimensions available on request.



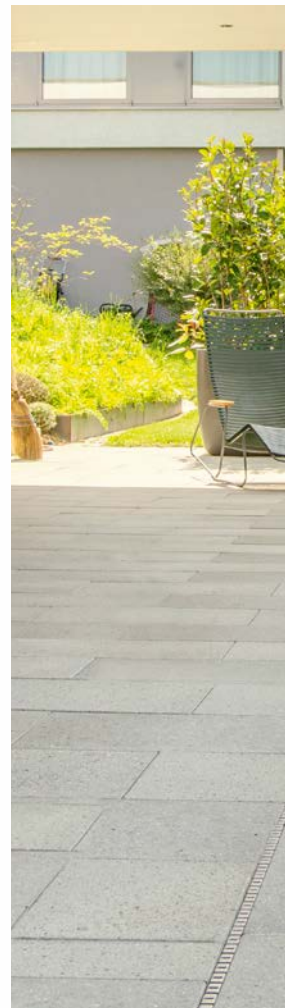
SIMOPOOL TWIN-WALL SHEETS

The new sense of lightness: our twin-wall sheets are the perfect choice for pool designs with reduced steel reinforcement or none whatsoever; they also excel when it comes to low weight and easy handling.

Product features

SIMONA's track record as a premier supplier of innovative twin-wall sheets spans many years. The lattice structure inside the twin-wall sheet gives the product a unique combination of properties: maximum rigidity and low weight. Depending on the type of pool construction, one can completely dispense with an external steel reinforcement.

- Excellent long-term properties regarding exposure to pool water and UV radiation
- Cross-ribbed lattice structure for superior stiffness and stability
- Low net weight compared to solid material
- Easy workability
- Available on request (minimum order quantity)







SIMOPOL WELDING ROD

Everything from a single source: we also supply the matching welding rod for SIMOPOL sheets.

Product features

SIMOPOL welding rods are available from stock and enable efficient processing with a high-quality weld seam. The rod is colour-coordinated precisely with the SIMOPOL sheet material. This ensures a superb overall appearance without colour deviations.

- Longevity
- Excellent processability
- Colour-coordinated with SIMOPOL sheets

Product range

	SIMOPOL PP welding rod
Form	Spool
Thickness (in mm)	4
kg per spool	1.8
Geometry	Round
Colour	☐ ☐ ☐

Special colours and dimensions available on request



Other SIMONA products for swimming pool technology

SIMONA also offers a wide range of sheets, pipes and fittings for overflow tanks and pool water treatment. Please get in touch with us for further information.



TECHNICAL DETAILS

Processing options

All SIMOPPOOL products are designed to ensure superior processing and welding. Their dimensional stability is outstanding. Do you have any questions about the machining of our products? We look forward to assisting you:

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Fax +49(0)67 52 14-211
simopool@simona-group.com

Material specifications

SIMOPPOOL PP	
Density, g/cm ³ , DIN EN ISO 1183	0.91
Tensile modulus of elasticity, MPa, DIN EN ISO 527	1200
Yield stress, MPa, DIN EN ISO 527	23
Elongation at yield, %, DIN EN ISO 527	7
Impact strength, kJ/m ² , DIN EN ISO 179	without break
Notched impact strength Charpy, kJ/m ² , DIN EN ISO 179-1eA	45
Shore hardness D (15 s), DIN EN ISO 868	67
Mean coefficient of linear thermal expansion, K ⁻¹ , ISO 11359-2	1.6 x 10 ⁻⁴
Surface resistivity, Ohm, DIN IEC 60093	≥ 10 ¹³
Temperature range, °C	-20 to +80
Fire behaviour DIN 4102	DIN 4102 B2 normal flammability (self-assessment without test certificate)

All specifications are deemed to be approximate values in respect of the specific material and may vary depending on the processing methods and the specimen product. In general, data specified applies to average values measured on extruded sheets with a thickness of 4 mm. Deviations from the values specified are possible if the sheets in this thickness are not available. Information presented herein is not necessarily applicable to other products (e.g. pipes, solid rods) of the same material or products that have undergone downstream processing. Suitability of materials for a specific field of application must be assessed by the party responsible for processing or the end-user. All technical specifications presented herein are designed merely to provide assistance in terms of project planning. They do not constitute a guarantee of specific properties or qualities.



Notes on the use of SIMOPPOOL

Be sure to observe our instructions on the optimum operating conditions for pools made of SIMOPPOOL material. In this way, you can actively help to extend the life of the pool.



TECHNICAL SUPPORT AND SERVICES

Our team members are specialists in their field and put a great deal of effort into studying specific product applications. We would be delighted to share our know-how with you.

Material and product selection

We offer a first-class support service around the globe. Our Technical Service Centre and our Customer Service are here to assist you every step of the way, providing comprehensive advice from planning to product and material selection.

Specialist training in the processing of our products

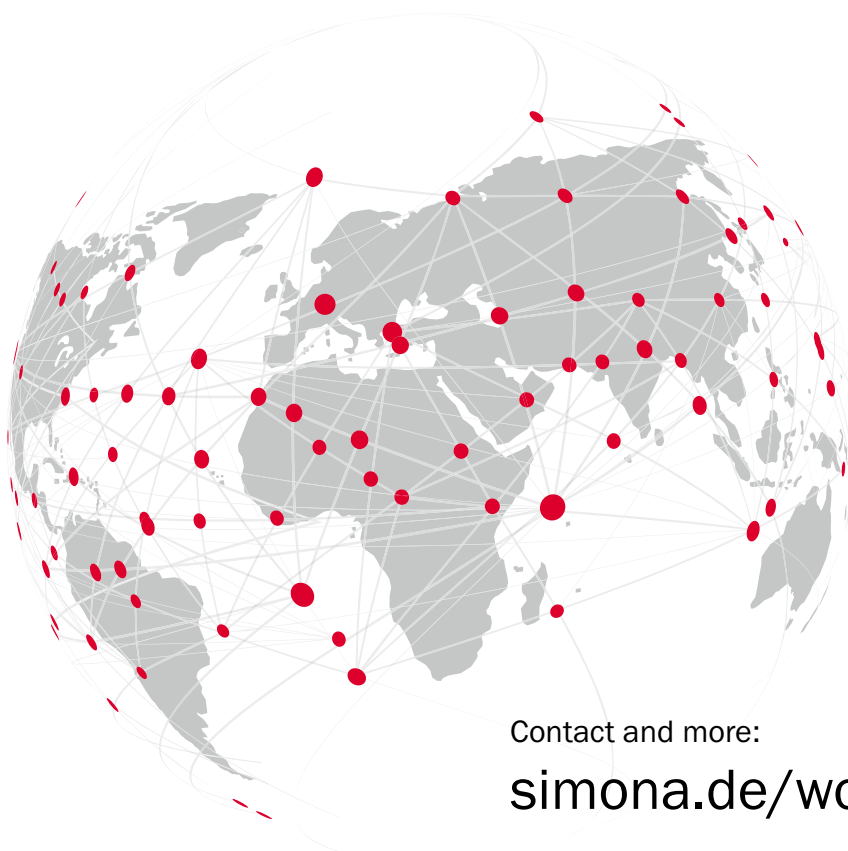
The SIMONA Academy is a highly professional and trusted partner when it comes to imparting specialist knowledge in the field of plastics engineering. Our technical experts and certified plastic welders will conduct technical application training for your staff members – on your premises or at our technical centre.

Customised product solutions

Customising is one of SIMONA's key strengths. Please get in touch with us so that we can develop tailor-made solutions for your projects in close collaboration with your team. Thanks to our own technology centre at our headquarters in Kirn, we are able to implement development projects quickly and effectively.



GLOBAL THERMOPLASTIC SOLUTIONS



Contact and more:

[simona.de/worldwide](https://www.simona.de/worldwide)

Upon publication of a new edition all previous editions shall become void. The authoritative version of this publication can be found on our website at www.simona.de. All information furnished in this publication reflects our current scope of knowledge on the date of publication and is designed to provide details of our products and potential fields of application (errors and omissions excepted, including typographical mistakes). Any reproduction of this publication or any unconnected use of specific content taken from this publication are strictly prohibited; legal action will be taken in the event of an infringement. Exceptions hereto will require our prior approval in writing.

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