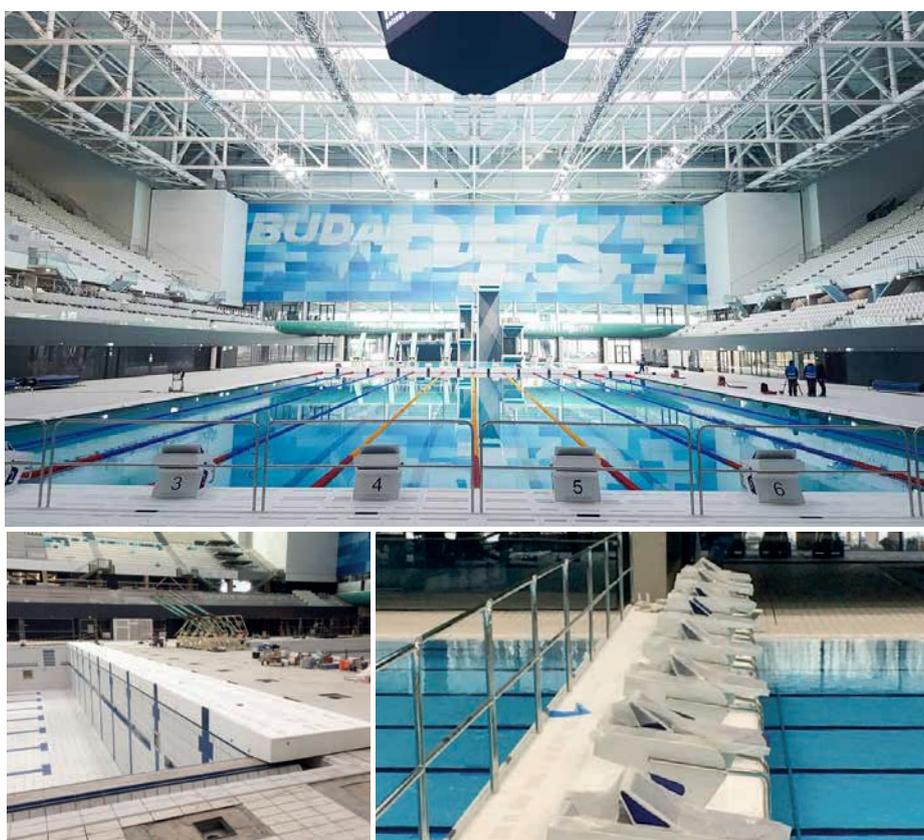




## 2017 World Aquatics Championships in Budapest with adjustable swimming pool floor made of SIMONA® PP-H white 9002 Sheets



Top: Duna Aréna in Budapest; bottom left: height-adjustable floors and bulkheads made of SIMONA® PP-H white 9002 Sheets; bottom right: starting-block bulkhead made of SIMONA® PP-H white 9002 Sheets

Variopool B.V. is the market leader in the field of adjustable swimming pool floors and bulkheads. Based in the Netherlands, the company was commissioned to equip the newly built Duna Aréna in Budapest with movable pool floors and bulkheads in time for the 2017 World Aquatics Championships. Variopool used SIMONA® PP-H white 9002 Sheets for the project, supplied by SIMONA's long-standing distribution partner Vink Kunststoffen B.V., Netherlands.

### The project at a glance

#### Project

Installation of a hydraulic floor measuring 25 x 25 m and bulkhead of 25 x 1.5 x 2.5 m in the training pool as well as a 25 x 1.5 x 3.3 m bulkhead and two starting-block bulkheads in the competition pool at Duna Aréna in Budapest

#### Requirements

- High chemical resistance
- Good long-term resistance to chlorine
- Anti-slip surface
- Simple, highly effective processing
- Excellent dimensional stability

#### Client

Variopool B.V., Oudkarspel, Netherlands

#### Contractor

VINK Kunststoffen B.V., Didam, Netherlands

#### Technical consultants

VINK Techniek, Didam, Netherlands

#### Products used

SIMONA® PP-H white 9002 Sheets

#### Project duration

10 weeks



From left to right: training pool at Duna Aréna in Budapest; SIMONA® PP-H white 9002 Sheet; competition pool at Duna Aréna in Budapest

## SIMONA® PP-H white 9002 Sheets – cost-effective solution for movable pool floors and bulkheads

### Initial situation

Hungary was to host the 17th World Aquatics Championships from 14 to 30 July 2017. For this purpose, a new, state-of-the-art aquatics centre – Duna Aréna – was built in Budapest. The venue has seating for 5,000 spectators and was fitted with an additional 8,000 temporary seats for the 2017 World Aquatics Championships.

### Task

Alongside pool and open-water events, the World Aquatics Championships also included synchronised swimming, diving, high diving and water polo. The various disciplines required different water depths and pool sizes – an aspect of importance not only to the World Aquatics Championships. After all, in the long term, Duna Aréna was to be used not only as a venue for sports events but also as an aquatics centre for the general public, including swimming lessons for children.

Rather than building several pools, the aim was to create a single pool that could be adapted to meet specific requirements.

### Solution

Variopool B.V., a Dutch company specialising in height-adjustable pool floors, bulkheads and separation walls, has established itself as a market leader in this field. Working in close collaboration with Vink Kunststoffen B.V., our distribution partner responsible for pre-engineering the plastic components from SIMONA® PP-H white 9002 Sheets, Variopool installed height-adjustable floors and bulkheads.

The competition pool at Duna Aréna in Budapest was fitted with a 25 x 1.5 x 3.3 m partition and two starting-block bulkheads. The training pool at the aquatics centre was equipped with a hydraulic floor measuring 25 x 25 m and a separation wall of 25 x 1.5 x 2.5 m.

The system installed by Variopool is fully automated, as a result of which the respective water depths can be adjusted within just a few minutes. This ensures that the aquatics centre can remain financially viable and attractive to a wide range of target groups – from professionals to first-time swimmers.

The floors and separation walls were engineered from SIMONA® PP-H white 9002 Sheets, which combine high chemical resistance with excellent durability. The sheets featuring an embossed surface on one side are the perfect choice when it comes to creating a safe swimming environment and ensuring a long service life.

### SIMONA® PP-H white 9002

#### Properties

- Permanent-heat resistance
- High chemical resistance
- Superior protection against corrosion
- Good long-term properties towards various substances
- High rigidity in upper temperature range
- High surface quality
- Excellent dimensional stability

#### Fields of application

- Chemical plants
- Pharmaceuticals and bioindustry
- Livestock farming and agriculture
- Fish farming
- Food production
- Swimming pool technology

#### Product range

- Extruded sheets in sizes 2,000 x 1,000 mm, 2,440 x 1,220 mm, 3,000 x 1,500 mm and 4,000 x 2,000 mm, in thicknesses from 1 to 30 mm
- Welding rods

### Further information

#### SIMONA AG

Technical Service Center  
Phone +49(0)67 52 14-587  
Fax +49(0)67 52 14-302  
tsc@simona.de

#### VINK Kunststoffen B.V.

Bergvredestraat 7  
6942 GK Didam  
Netherlands  
Phone +31 316 298 384  
info@nl.vink.com  
www.vinkkunststoffen.nl