

## PRODUCTSHEET - DUO MOVABLE FLOOR



### PRODUCT DESCRIPTION

The Variopool DUO-movable floor is a unique option for teaching pools and facilities devoted to providing a variety of aquatic activities. This new floor design improves the flexibility and functionality of every square meter of swimming space. The DUO-movable floor doubles the flexibility of the operator to schedule different swimming classes at the same time in the same pool. This will have a significant impact on the daily swimming program and will increase pool revenues. This design option suits every swimming pool, from a community pool to an international swimming centre. As with standard movable floors, this floor can cover the entire pool or only a part of it.

A DUO-movable pool floor consists of two movable pool floors that are interconnected with a short hinged flap. Both floors can be set to one level or to different depths. The maximum water depth difference between both parts is one meter (1.00m). The shallow part of the pool can be closed off from the deeper part by means of a warning lane rope or using removable safety fencing.

### TECHNICAL SPECIFICATIONS

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| <b>Material construction</b>                            | Slotted and colour fast 20 mm thick polypropylene panels with an integrated anti-slip surface. |
| <b>Colour</b>   | White RAL 9010   |
| <b>Upward force</b>                                     | Min. 61,2 kg/m <sup>2</sup>  |
| <b>Material cables</b>                                  | Stainless Steel RVS 316L and individually certified  |
| <b>Stainless Steel components</b>                       | Stainless Steel RVS 316L pickled and passivated  |
| <b>Installation height</b>                              | Max. 600 mm  |
| <b>Actuating</b>  | Hydraulic cylinders  |
| <b>Speed</b>  | 250 – 330 mm/min.  |
| <b>Control system</b>                                   | PLC-technology including programmable software   |
| <b>Maximum depth difference between two floor parts</b> | 60 - 100 cm  |

### SAFETY FEATURES

In order to ensure the safety of the users at all times, Variopool movable swimming pool floors are always supplied with the following convenience and safety features.

- Lockable control panel with password protected touch screen and emergency button
- Warning light and sounder
- LED “water depth ” display
- LED “no diving” display
- Internet connection cat. 6 touch Screen panel for remote service access
- Competition racing lines in colours blue RAL5013 or black RAL9005 (other colours upon request)
- Lockable access hatches for annual maintenance

**TYPICAL USES OF THE DUO-MOVABLE FLOOR**

Below are some practical examples of a movable duo-floor at various depths. Of course, much more is possible depending on the use.

**To accommodate different classes (children and adults):**

- Part A: set at water depth of 0.40 m
- Part B: set at water depth of 1.40 m

**To accommodate different classes (children of different ages):**

- Part A: set at water depth of 0.80 m
- Part B: set at water depth of 1.20 m

**To accommodate competition (lane) swimming or water polo:**

- Part A: set at water depth of 2.00 m
- Part B: set at water depth of 2.00 m

**When the pool is closed the full floor can be used as an effective thermal cover:**

- Part A: set at water depth of 0.00 m
- Part B: set at water depth of 0.00 m

**PROJECT REFERENCES**

Below are some project references where Variopool has supplied and installed a movable duo pool floor. For specific questions about this product or other Variopool references, please contact us.

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