



AKVO SPIRALIFT®

MOVABLE POOL FLOORS



Residential



Public



Commercial



AKVO AROUND THE WORLD:

Australia
Bahamas
Belgium
Canada
China
Denmark
France
Germany
Hong Kong (PRC)
Japan
Jordan
Mexico
Qatar
Russia
Seychelles
Switzerland
United Kingdom
USA

VERBIER (SWITZERLAND)



Residential

2012

Area: 22 m²

Location: Interior

Floor Travel: 2.0 m

Finish: Hardstone pavers

Type: Skimmer

Capacity: 250 kg/m²

In collaboration with Elevo Fonds Mobiles





Residential

LONDON (UK)

2014

Area: 75 m²

Location: Interior

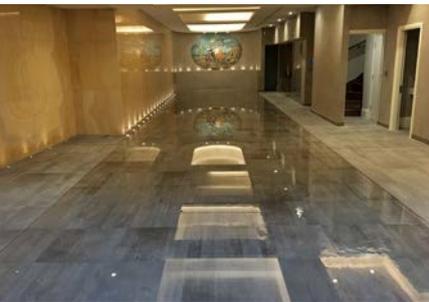
Floor Travel: 1.35 m

Finish: Hardstone

Type: Skimmer

Capacity: 250 kg/m²

In collaboration with Guncast Swimming Pools



Residential

HONG KONG (PRC)

2019

Area: 34 m²

Location: Exterior

Floor Travel: 1.3 m

Finish: Wood composite

Type: Overflow

Capacity: 250 kg/m²

In collaboration with Ever Crown Engineering





Residential

MONTERREY (MEXICO)

2019

Area: 70 m²

Location: Exterior

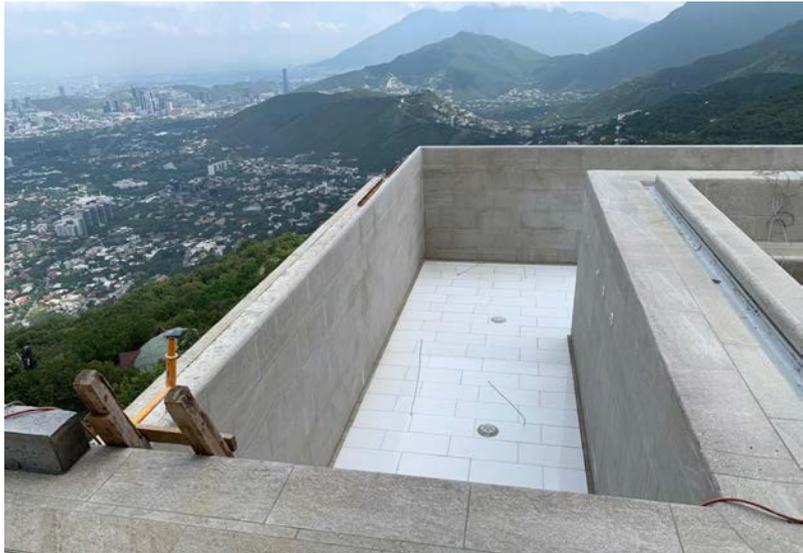
Floor Travel: 1.2 m

Finish: Hardstone pavers

Type: Infinity

Capacity: 250 kg/m²

Floor mounted glass railings (Infinity side)



MANHATTAN BEACH (USA)

2017

Area: 180 ft²

Location: Exterior

Floor Travel: 64 in

Finish: Hardstone

Type: Skimmer

Capacity 40lb/ft²

Full length self depositing bench



Residential



NEW ORLEANS (USA)



Residential

2015

Area: 824 ft²

Location: Exterior

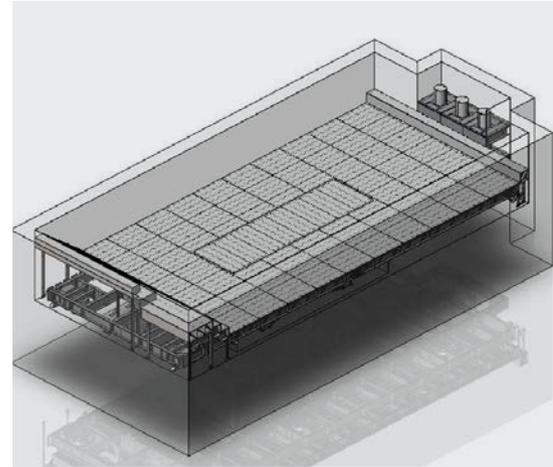
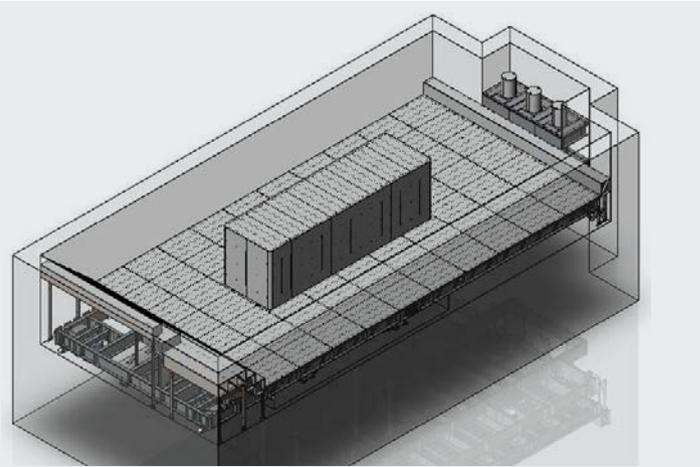
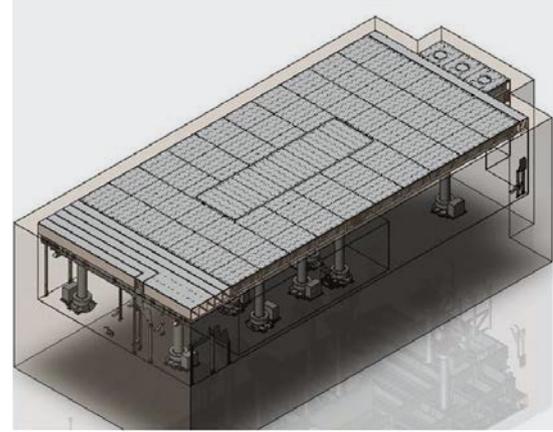
Floor Travel: 65 in

Finish: Patterned glass mosaic tiles

Type: Skimmer

Capacity: 50 lb/ft²

Central autonomous island
& wet bar





Commercial

TRUMP INTERNATIONAL HOTEL & TOWER (CANADA)

2016

Area: 45 m²

Location: Interior

Floor Travel: 1.4 m

Finish: Tiles

Type: Skimmer

Capacity: 500 kg/m²

Self-depositing in-pool stairs



ÉCOLE DE CHANDIEU (SWITZERLAND)



Public

2016

Area: 300 m²

Location: Interior

Floor Travel: 1.6 m

Finish: Stainless steel panels

Type: Overflow

Capacity: 65 kg/m²

Two autonomous 150 m² movable
pool floors separated by a motorized
retractable skirt

In collaboration with Elevo Fonds Mobiles





Commercial

DREAM HOLLYWOOD HOTEL (USA)

2017

Area: 476 ft²

Location: Exterior

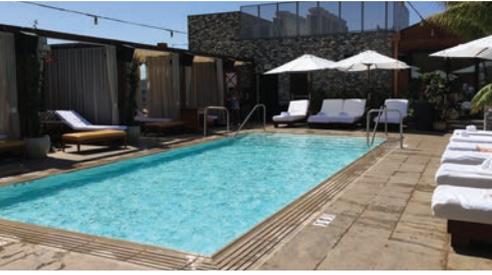
Floor Travel: 38 in

Finish: Tiles

Type: Skimmer

Capacity: 120 lb/ft²

Roof-top venue pool



SOLIHULL (UK)

2017

Area: 18 m²

Location: Exterior

Floor Travel: 1.4 m

Finish: Tiles

Type: Skimmer

Capacity: 250 kg/m²

Self-depositing in-pool stairs

In collaboration with Guncast Swimming Pools



Residential





Residential

MANHATTAN BEACH (USA)

2018

POOL

Area: 400 ft²

Location: Exterior

Floor Travel: 66 in

Finish: Hardstone

Type: Skimmer

Finish: Porcelain ceramic tiles

Capacity: 40 lb/ ft²

Full width steps

SPA

Area: 81 ft²

Location: Exterior

Floor Travel: 42 in

Finish: Hardstone

Type: Skimmer

Finish: Porcelain ceramic tiles

Capacity: 40 lb/ ft²

In-spa self-depositing perimeter bench





Commercial

FENDI CHÂTEAU (USA)

2016

Area: 750 ft²

Location: Exterior

Floor Travel: 51 in

Finish: Tiles

Type: Skimmer

Capacity: 100 lb/ft²



COLORADO (USA)

2016

Area: 130 ft²

Location: Interior

Floor Travel: 42 in

Finish: Tiles

Type: Skimmer

Capacity: 50 lb/ft²

Plunge pool

In collaboration with Guncast Swimming Pools



Residential





Residential

LOHNE (GERMANY)

2018

Area: 93 m²

Location: Exterior

Floor Travel: 1.5 m

Finish: Hardstone

Type: Overflow

Capacity: 250 kg/m²

In collaboration with Bodan-Werft Motoren- und Schiffbau GmbH



Public

PEPS, UNIVERSITÉ LAVAL (CANADA)

2014

Area: 210 m²

Location: Interior

Floor Travel: 2.0 m

Finish: Solid polymer panels

Type: Overflow

Capacity: 65 kg/m²

Complies with EN13451-11





Residential

MAHE (SEYCHELLES)

2020

Area: 50 m²

Location: Exterior

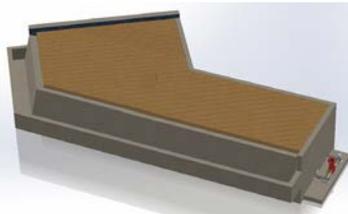
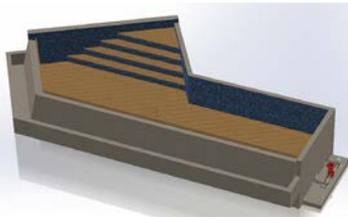
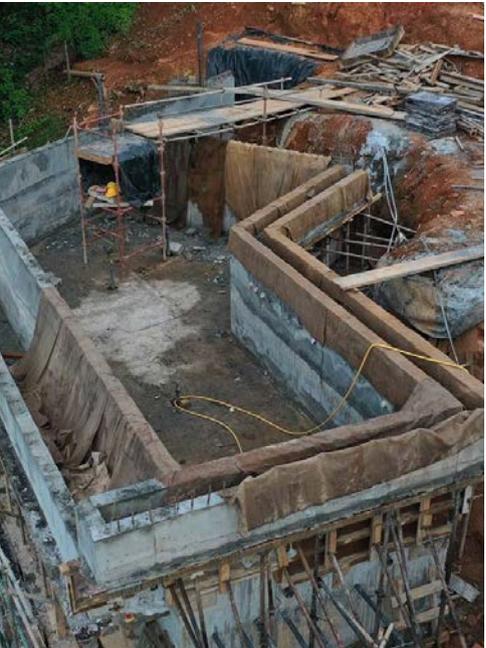
Floor Travel: 1.4 m

Finish: Wood

Type: Overflow

Capacity: 250 kg/ m²

Self-depositing non-symmetrical diagonal corner steps



Public

MUNICH OLYMPIC SWIMMING CENTRE (GERMANY)

2019

Area: 350 m²

Location: Interior

Floor Travel: 2.5 m

Type: Overflow

Capacity: 65 kg/ m²

Stainless steel pool shell and movable pool floor covering

In collaboration with Bodan-Werft
Motoren- und Schiffbau GmbH





Public

LUZHNIKI SPORT COMPLEX (RUSSIA)

2018

Area: 150 m²

Location: Interior

Floor Travel: 1.4m

Type: Overflow

Capacity: 65 kg/ m²

In collaboration with Piscine Desjoyaux



Residential

ST-TROPEZ (FRANCE)

2019

Area: 200 m²

Location: Exterior

Floor Travel: 2.35 m

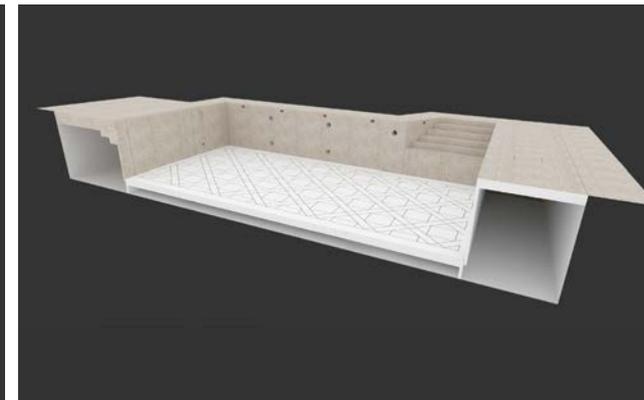
Finish: Hardstone

Type: Overflow

Capacity: 250 kg/ m²

Six independent lifts with all
core steps and retractable spa

In collaboration with UNIKPOOLS





Public

OAK HILL HIGH (USA)

2019

Area: 1200 ft²

Location: Interior

Floor Travel: 48 in

Finish: Marine grade polymer with antiskid

Capacity: 13 lb/ft²

Retrofit to a 50-year-old hydraulic MPF



FAQ

Where does the water go when the floor moves up or down?

The water remains in the pool. The floor is installed in a sealed pool shell. As it moves up and down, pool water flows above and below the platform through the small gap along the floor's perimeter. There is no need to empty the pool before a floor movement and there is no risk of the pool overflowing.

Can the height of an Akvo movable pool floor be adjusted to any position?

Yes, the operator can jog the floor up or down to reach any position within the lift's normal range of travel, although for practical reasons, Akvo's controls usually feature a selection of pre-set depths. Commercial applications may be limited to full depth or deck level per local regulations.

What is the capacity of an Akvo movable pool floor versus a pool cover?

Akvo movable pool floors are designed to support 200-600 kg/m² (40-125 lb/ft²), while conventional pool covers are not rated to withstand any loading. Floor capacity is determined on a project-to-project basis depending on local building codes and project-specific occupancy requirements.

Simply put, an Akvo movable pool floor provides all the benefits of a pool cover (evaporation control, temperature control, safety, etc.) while also creating a functional space above the water when the pool is closed.

Is an Akvo-qualified technician required for the installation of a movable pool floor?

Due to the specialized nature of Akvo's equipment, all projects must be installed by qualified technicians. Akvo's team has installed movable pool floors locally and internationally. Also, Akvo has certified local partners in 6 countries that handle installations in their respective regions.

Is an Akvo-qualified pool builder required for the construction of the pool basin?

No, clients can select their preferred local pool builders to build the pool basin. Akvo will guide and support the pool builder throughout the design, fabrication and installation stages.

Is Akvo's equipment compatible with all filtration systems?

Akvo's equipment is safe for use with chlorine, ozone and UV filtration systems.

Saltwater filtration systems are not appropriate for use with Akvo floors as they pose a risk for corrosion of the mechanical components.

What is required to maintain an Akvo movable pool floor?

Akvo's movable pool floor system is relatively low maintenance, especially when compared to alternative technologies on the market that require cable calibration, hydraulic fluid top-ups or regular leveling of the floor.

The only maintenance required on an Akvo movable pool floor is the yearly replacement of grease cartridges. Each Spiralift unit is actively lubricated with food grade grease (NSF H1 certified) via a pressurized cartridge. To replace these units, a certified operator lifts the movable pool floor to its Maintenance Position (lifting the floor above the deck, granting access to the underfloor). In this position, the cartridges mounted to the perimeter of the platform's structure can easily be switched out by hand.

This simple maintenance process does not require owners to empty the pool nor does it require them to hire divers to perform the work.

In addition to regular maintenance, a visual check-up of the system is recommended once every 5 years.

Can Akvo produce movable pool floors for split-depth pools (pools with a shallow end and a deep end)?

Yes, there are two main options for split-depth pools.

In one instance, two fully independent pool floors can be installed in the same basin allowing users to independently change the depth of each section. This option is often used when clients wish to open a portion of the pool while keeping the other fully

closed, granting users additional deck space. Note that multiple floors can be installed to achieve a pool with as many configurable depths as desired. Alternatively, a Baja Shelf can be installed, allowing users to achieve a terraced floor. As the Baja Shelf is linked to the same driving mechanism as the main floor, the Baja Shelf will lower synchronously with the main floor until it reaches a predetermined height, at which it will stop.

Note that these systems can be installed within the same pool, and steps can be integrated for easy transitions between one level and the next.

At what phase should Akvo get involved in a new project?

Getting Akvo involved at an early stage, before pool and site design are initiated, benefits all parties. Akvo is accustomed to working with architects and pool builders to optimize overall pool design.

The pool basin should be designed to accommodate a movable pool floor that meets all the client's requirements. Its design is even more critical in the case of sophisticated pool layouts or pools with multiple movable floors or accessories (steps, benches, etc.).

It is also recommended that clients seek Akvo's help to select a location for the pool's dry room. Note that the dry room location may influence the overall site design.

UP SCALE YOUR POOL

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