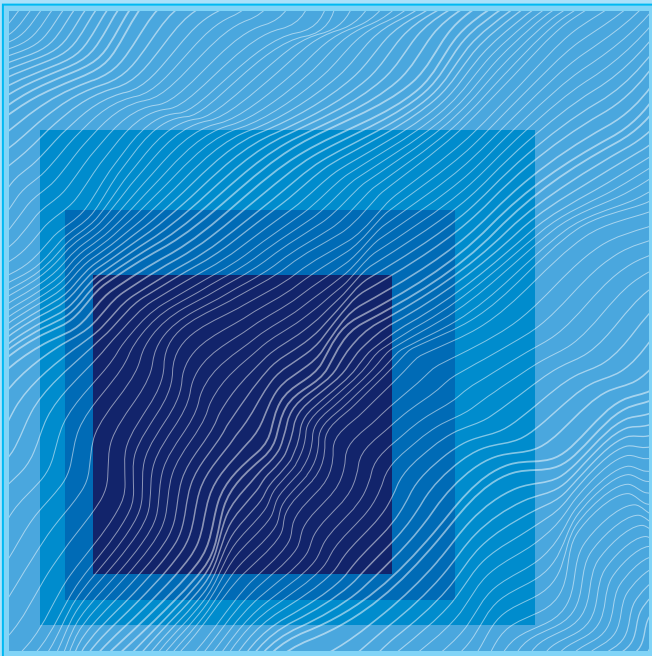
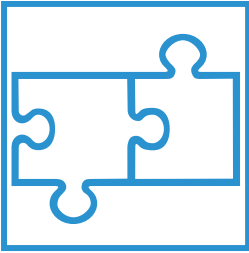


HYDROSIGHT



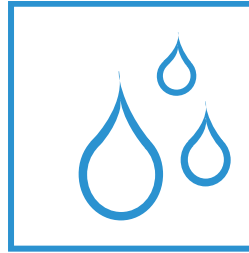
Underwater Windows
Unterwasserfenster
Fenêtres Sous-Marines
Ventanas Subaquáticas
Underwater Ramen

Advantages of Hydrosight Underwater Windows



Compatible to all Pool Types

Numerous methods exist for sealing water tanks. Hydrosight windows offer a specific design for each type. All windows integrate seamlessly into your pool of choice.



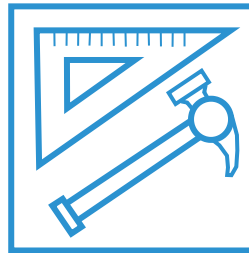
Waterproof on Delivery

When choosing your product, remember to make sure that the windows you select are reliably sealed. Hydrosight is the only supplier to offer you windows that are guaranteed to be waterproof and tested ex works. The two tested seals give you double safety.



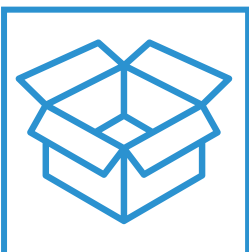
Build for a lifetime.

Five-year unlimited warranty and virtually unlimited life expectancy.



Easy Installation

Hydrosight Windows do not need any special skills for installation. If you are a pool builder or general contractor, you will find it easy to install a Hydrosight window. No prior knowledge is required. Even if the installation conditions are not ideal: The underwater window fits and is watertight!



Turnkey Solutions

As an alternative to installation by a local specialist or by yourself, you can also commission Hydrosight to install your underwater window. Benefit from our many years of experience. Our team is available worldwide by prior arrangement.



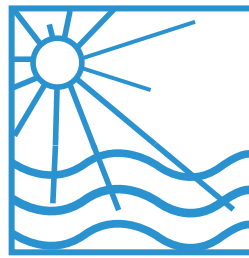
Best overall Cost

With the steel frame typical of Hydrosight, underwater windows can be installed in a time-saving manner. There is no delay due to drying times of Silion and no water test is necessary. This reduces overall costs and increases planning reliability.



Robust

Acrylic glass has many advantages over laminated safety glass. Acrylic is extremely resistant to breakage and cannot splinter.



For Indoors and Outdoors

Taking into account the maximum and minimum temperatures, Hydrosight calculates the necessary expansion joints in our steel frames. Naturally, the product is suitable for outdoor applications. All windows are absolutely UV-stable.



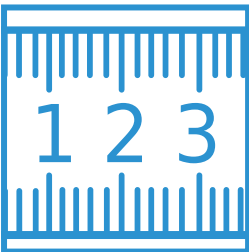
No Condensation

Acrylic glass is a natural insulator. As a result there are no thermal bridges and condensation cannot occur. By the way, acrylic is also more transparent than laminated safety glass.



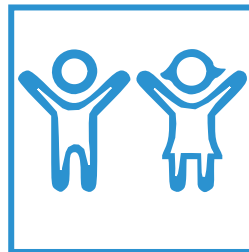
Made in Germany

Hydrosight has specialised in underwater windows for over 20 years. At our factory in Emmerich am Rhein, we place particular emphasis on customer service and quality.



Wide Range

Large number of standard sizes and unlimited range of special sizes available. Hydrosight manufacturing enables you to choose exactly the size needed.



... and the kids will love it!

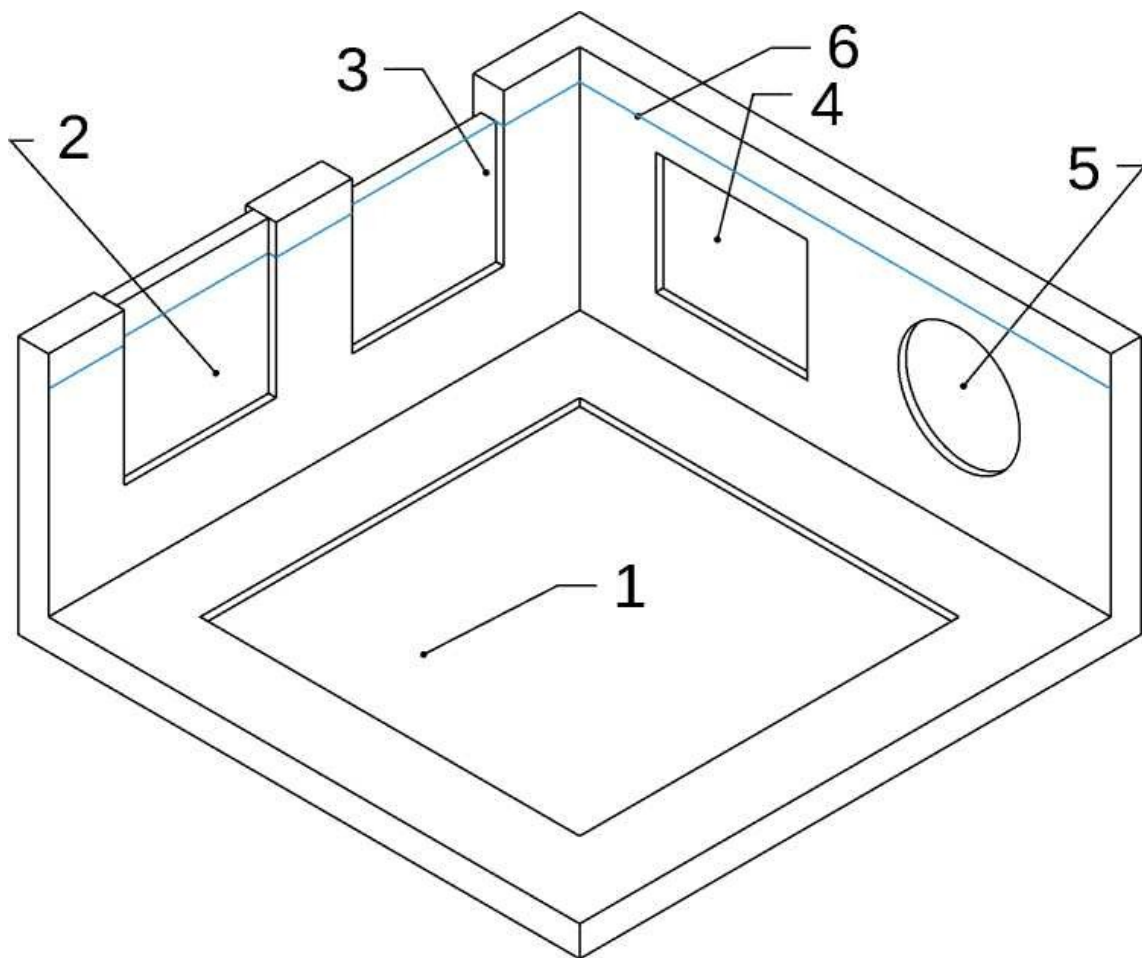
Window Shapes For Experts

Window Shapes as shown on Picture

1. Glass Bottom
2. Glass Wall without Overflow
3. Glass Wall with Overflow
4. Rectangular Window
5. Round Window
6. [Water Line](#)

Other, not shown on picture:

- L- Shapes (1 Glass Corner)
- U-Shapes (2 Glass Corners)
- Semicircular



Pool Types

Joining Windows and Waterproof Layer

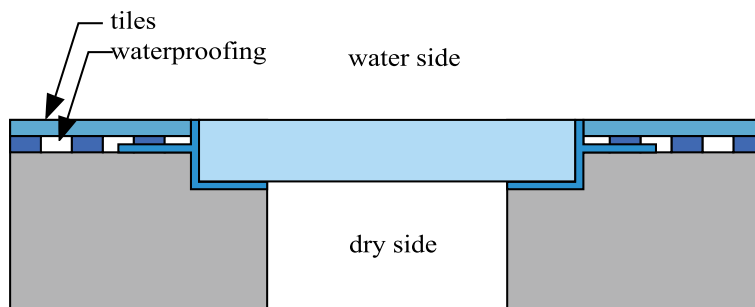
There are many ways of waterproofing a containment. Each containment has at least one layer, that makes it waterproof. The underwater window is chosen according to the type of waterproofing. Here is a list of types.

Tiled Pools

The tiled pools of Hydrosight are chosen for a wide range of finishes; mosaic pool, ceramic tiles, stone tiles and thin layered pools such as AquaBRIGHT.

Tiled pool windows are installed after the concrete wall is already casted. A rebate is made on the water side of the wall, so the tiled pool window can sit flush with the wall. The window is then moved into the rebate and adjusted. It is fixed onto the concrete by wall anchors. The waterproofing, that is used for this type of pool, is usually some kind of slurry or other spreadable substance. The waterproofing is evenly applied to the entire pool surface. Corners and edges are reinforced by seam tapes. Then the waterproofing will be applied to the steel frame of the window, thus embedding the window into the waterproofing layer. Tiles or stones or other pool finishes will be applied on top of the waterproofing.

Tiled pool windows are popular - if unsure choose for this option or request more details.

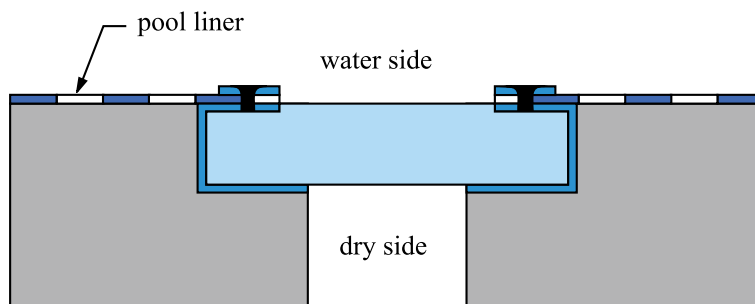


Hydrosight patented adhesive flange windows integrate in the pool as installation parts with a stainless steel flange

Pools with Liner

A liner pool is built by excavating a hole, fitting a frame or shell, and finishing with a flexible PVC membrane – the liner. The liner will be wedged between flange and window, then screws shall be tightened. We call this type a vinyl lined window.

The PVC, or vinyl liner, used is similar to liners used for ponds. Underwater windows for liner pools were previously called "pressure flanges".



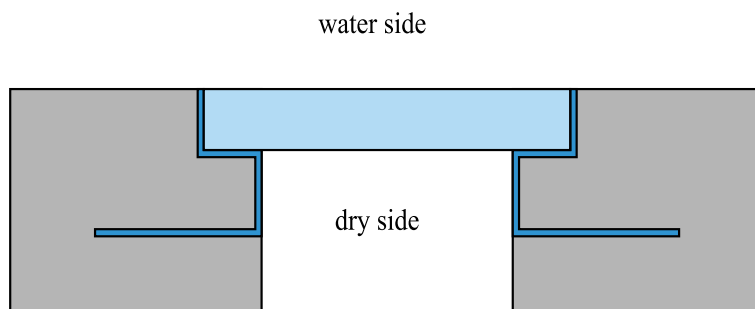
Exposed Concrete Pools

This type should be chosen only if concrete is EXPOSED. For finishings like ceramic tiles, natural pebble, colored quartz, epoxy resin paints, vinyl lining choose one of the other types.

Many pools are made primarily from concrete. This can be either sprayed ("Guniting") or poured. Most pools have some sort of finishing layer, such as tiles. However, some pools are concrete only. We classify these as "exposed concrete". Exposed concrete tanks are relatively frequent in many industrial water tanks. Recently, exposed concrete pools for private leisure swimming have become popular in places like Switzerland.

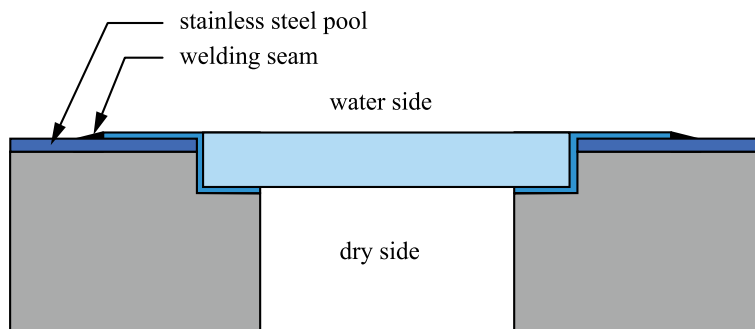
The adequate window requires your concrete tank to be made from impermeable concrete and according to the building requirements of impermeable concrete. Exposed concrete windows are not suitable for unskilled installers.

As the concrete is casted and dried, and the shutter work removed, the window is already at its place, ready and waterproof. Our seam sheets and self-expanding seals stop the water from running from the wet to the dry side of the window.



Stainless Steel Pools

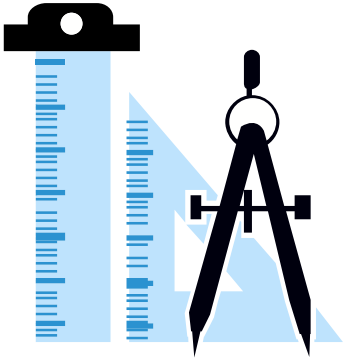
Stainless steel pools are very robust. These pools are long-lasting, durable, and low on maintenance. Stainless steel pool windows are a natural environment for Hydrosight's underwater windows. That is because Hydrosight's windows have an INOX frame. The windows for stainless steel pools are seal welded into the prepared opening.



Custom Types of Waterproofing

Other types of less common pools types:

- Fibreglass pools: Glass-Reinforced Plastic (GRP)
- PVC pools: Pools that are made from hard PVC, like the pools made from KWS. Hard PVC pools are not to be confused with soft PVC liner pools.
- PP Pools: Polypropylen, often about 20mm thick



Installing your First Underwater Window

You are a pool builder wishing to install a Hydrosight product. As the water body contractor in charge, you are new to installing underwater windows. Hydrosight makes this an exciting experience for their customers by providing a full service support. Beginning with unpacking the Hydroview installation kit, you will notice that all steps of installation have been prepared for you.

The Hydroview installation kit includes:

- The underwater window(s)
- All installation material needed
- Work drawings providing installation dimensions (available in advance as PDF)
- Installation manual in English (available in advance as PDF)

This makes it easy and secure to fit our windows, without the need of special skills, or silicone sealing.

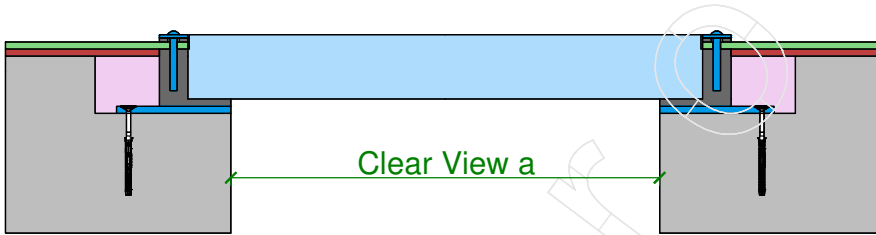
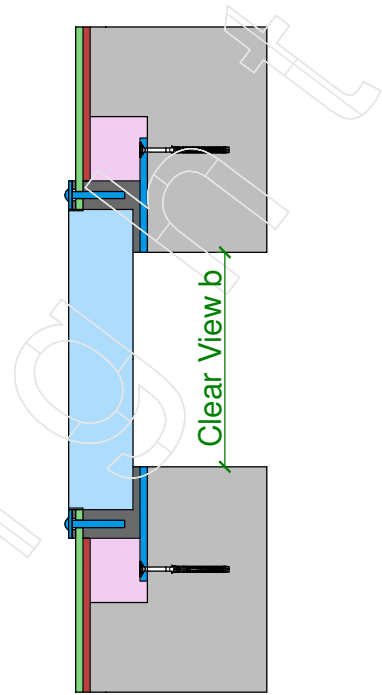
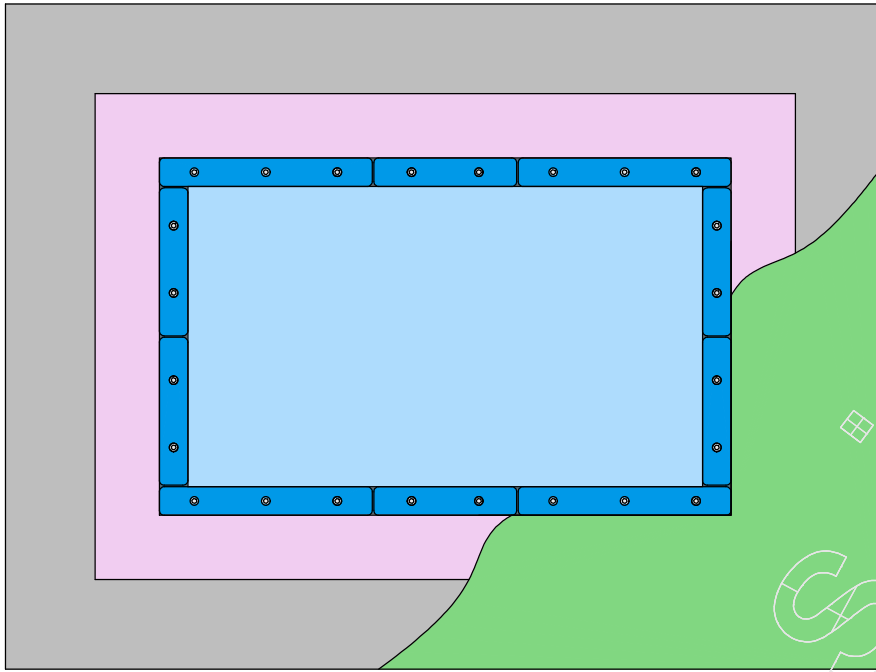


Hydrosight On-Site Installation Service

Looking for full service, ease of mind and value for price? Hydrosight is the right place.

If you feel uncomfortable with installing the underwater windows yourself, or if you lack of the appropriate fitters, you can ask for installation services by Hydrosight. You might choose Hydrosight for in-house installation services and rely on our experienced team of fitter, available on demand on (almost) any location in the world.



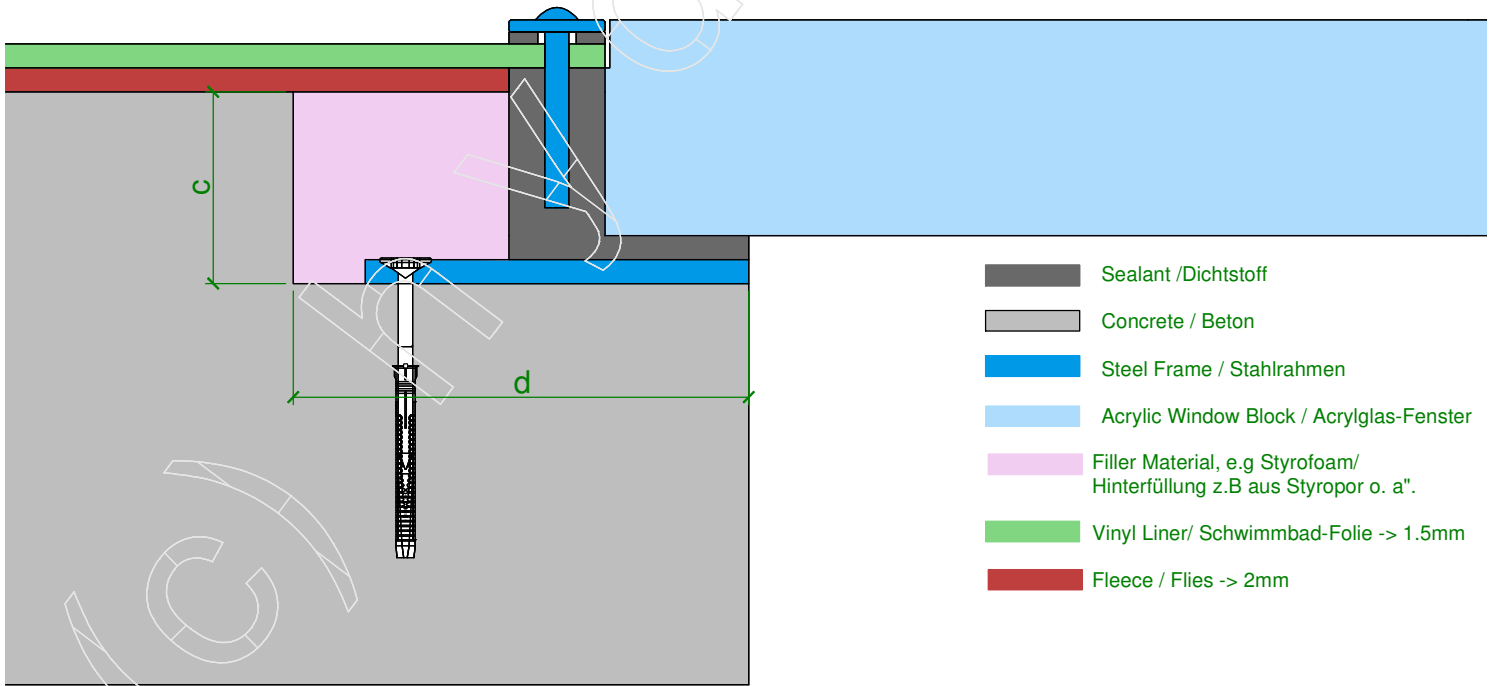


Hydrosight

Project: Liner Rect. Template
 Author: M. Meinesz, K.Bora
 All dimensions in mm
 Tuesday, October 10, 2017

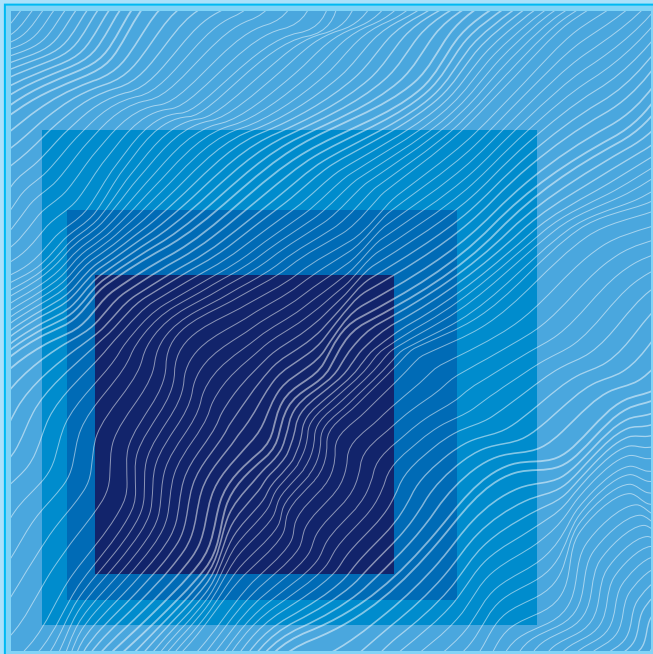
Hydrosight - Lise-Meitner-Str.14
 46446 Emmerich - Germany
 Tel. +49 2822 60 250 900
 Email: io@hydrosight.com

(c) Hydrosight 2009. This calculation comes with absolutely no warranty, to the extent permitted by applicable law



-  Sealant / Dichtstoff
-  Concrete / Beton
-  Steel Frame / Stahlrahmen
-  Acrylic Window Block / Acrylglas-Fenster
-  Filler Material, e.g Styrofoam/
Hinterfüllung z.B aus Styropor o. a".
-  Vinyl Liner/ Schwimmbad-Folie -> 1.5mm
-  Fleece / Flies -> 2mm

HYDROSIGHT



Underwater Windows
Unterwasserfenster
Fenêtres Sous-Marines
Ventanas Subacuáticas
Underwater Ramen
Underwater Ramen

Special Windows







OBSERVATION WINDOW FOR CONTROLLING ROV

Ein Überwachungs-Fenster für ferngesteuerte U-Boote



Hydrosight is specialized in engineering transparent plastic appliances.

Since its founding in 2003 Hydrosight, has evolved into a fully equipped manufacturer of underwater windows with a capacity for on-site installation.

Besides the pool and public aquarium market, Hydrosight focuses on architectural and artistic use, marine vessels and unique underwater attractions.

Hydrosight is a responsible and sustainable business.

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46446 Emmerich am Rhein
Germany

Telefon: +49 28 22 60 250 90 -0

Fax: +49 28 22 60 250 90 -9

E-Mail: hello@hydrosight.com

Online: www.hydrosight.com



Date: 05.05.2016

Tags: rectangular, Norway, highlight, marine

projects.priceRange: 30-50.000€

Dimensions: 2.8 x 1.8 m

Type: Tiled Pool

"During the 3 months since Kystdesign filled its new test pool with water, various projects have stood in line to test different vehicles, ranging from sea drone and net cleaning ROV to Supporter ROV with 6000m depth rating. The investment in test pool with a control room at 5m depth can therefore be said to be a big success."

Project: P1211 Text and images are in courtesy of

Abmessungen: 2.8 x 1.8 m

Typ: Kachel-Becken

Dieses Fenster wurde in einem Test-Becken für Unterwasserfahrzeuge (ROV) verbaut. Diese Fahrzeuge finden ihren Einsatz in der Nordsee für die Norwegische Ölindustrie. Das Fenster von Hydrosight befindet sich auf ca. 6 Meter Wassertiefe und hat eine Größe von knapp 3 x 2m.

Bilder zur Verfügung gestellt von Kyst Design

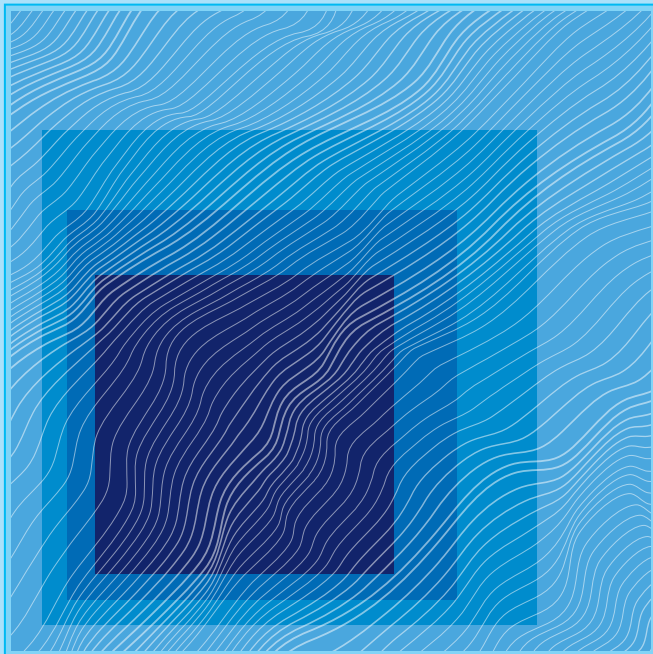
© 2019 Hydrosight GmbH







HYDROSIGHT



Underwater Windows
Unterwasserfenster
Fenêtres Sous-Marines
Ventanas Subacuáticas
Underwater Ramen
Underwater Ramen

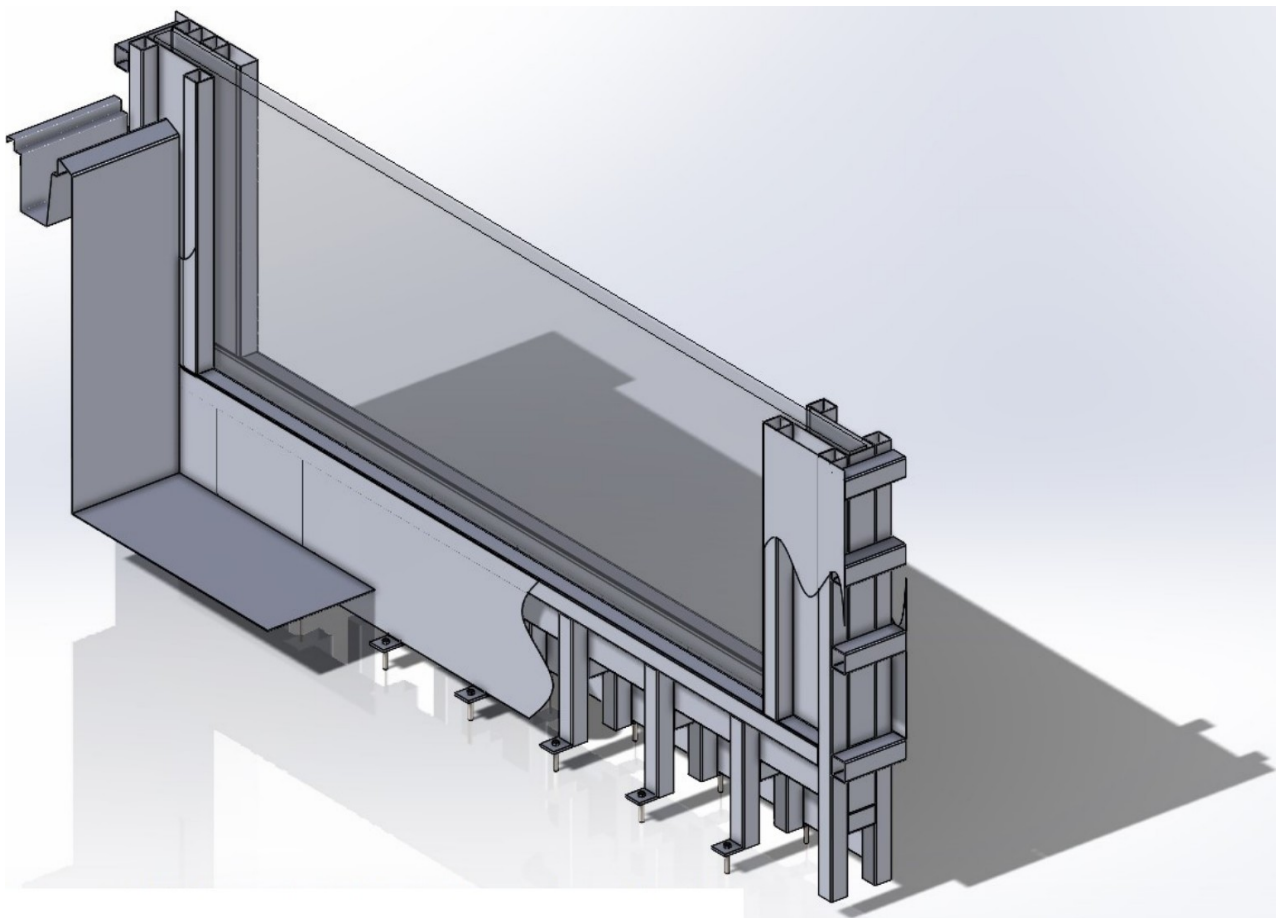
Glass Walls /
Open Top Windows

Self-Supporting Frames

The acrylic blocks of a Hydrosight underwater window are designed exactly for the required water depth and precisely dimensioned by Hydrosight. The frame of the window, made of stainless steel sheets, creates the watertight connection to the concrete wall. The concrete opening designed on site must therefore absorb the forces created by the water pressure on the window. This is the best method for most applications.

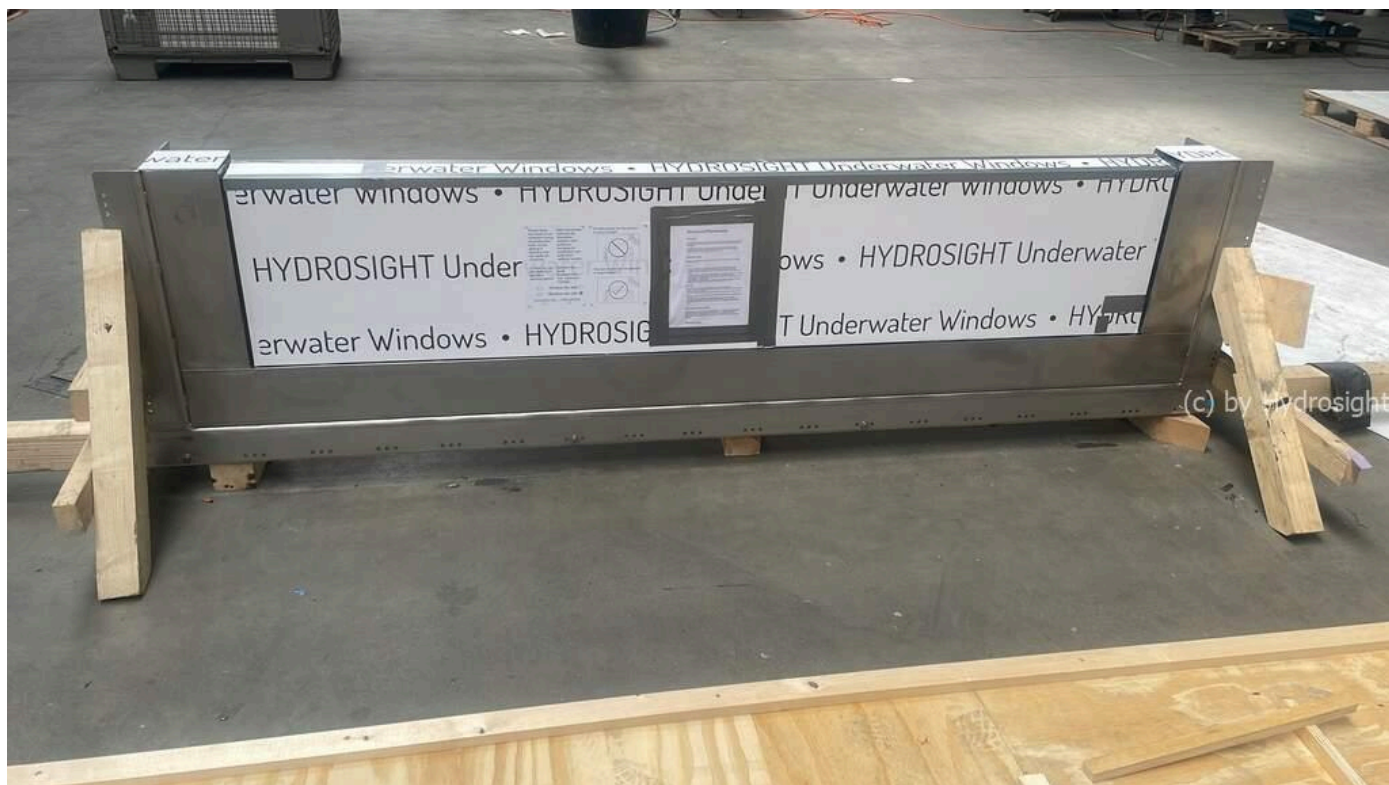
However, for some types of pool, e.g. stainless steel swimming pools, there are other options. In these cases, it is a good idea to replace entire sections of the pool wall with a glass element from Hydrosight. This window with a self-supporting steel frame is then bolted to the base plate on site. The pool builder then welds his elements watertight to the glass wall, as he would otherwise do.

The advantages include cost savings (there is no need for the corresponding steel wall from the pool builder) and much shorter construction on site times. The detailed planning is largely taken off the pool builders hands.



Infinity edge pool windows

For pool glass with an overflow, there are certain considerations. The window needs to be positioned lower than the adjacent walls, meaning the window edge should sit beneath the edges of the surrounding surfaces. To address this, Hydrosight has developed a special system known as *overflow columns*.



Not a very nice picture, but it shows the idea: Water flows over the middle, and is retained on the sides.



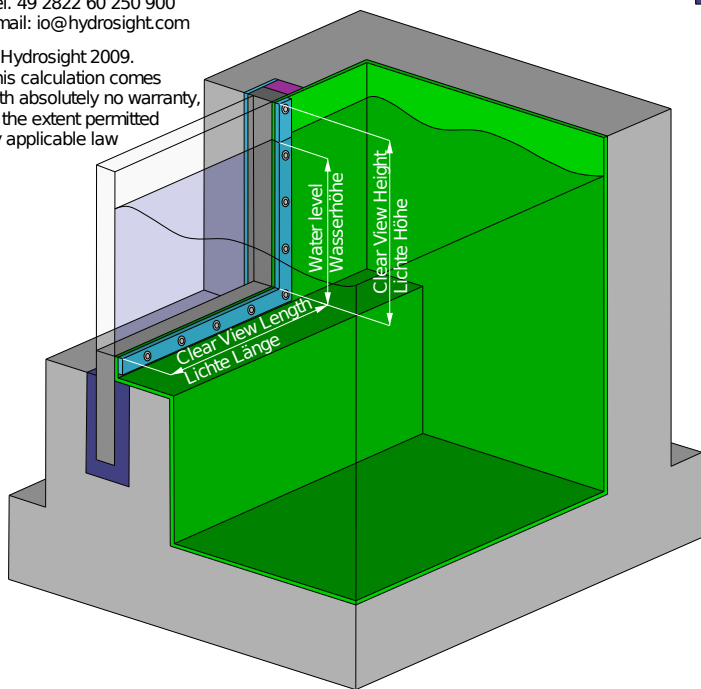
HYDROSIGHT
3D View Lined Pool
Open Top Window

3D-Ansicht einer
Glaswand für ein
Folienschwimmbad

Hydrosight GmbH
Dechant-Sprünken-Str 51A
46446 Emmerich - Germany
Tel. 49 2822 60 250 900
Email: io@hydrosight.com

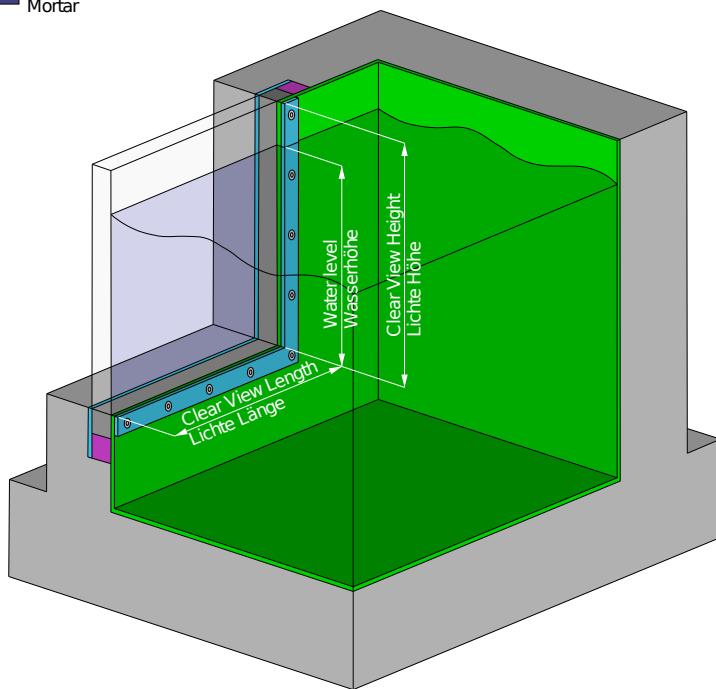
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This calculation comes
with absolutely no warranty,
to the extent permitted
by applicable law

BIEGEBALKEN
CANTILEVER SUPPORT



- Folie/
Liner
- Acrylglas/
Acrylic
- Beton/
Concrete
- EPDM
- Abstandshalter/
Spacer
- Edelstahl/
Stainless Steel
- Mörtel/
Mortar

KEINE EINSpannung
NOT CLAMPED



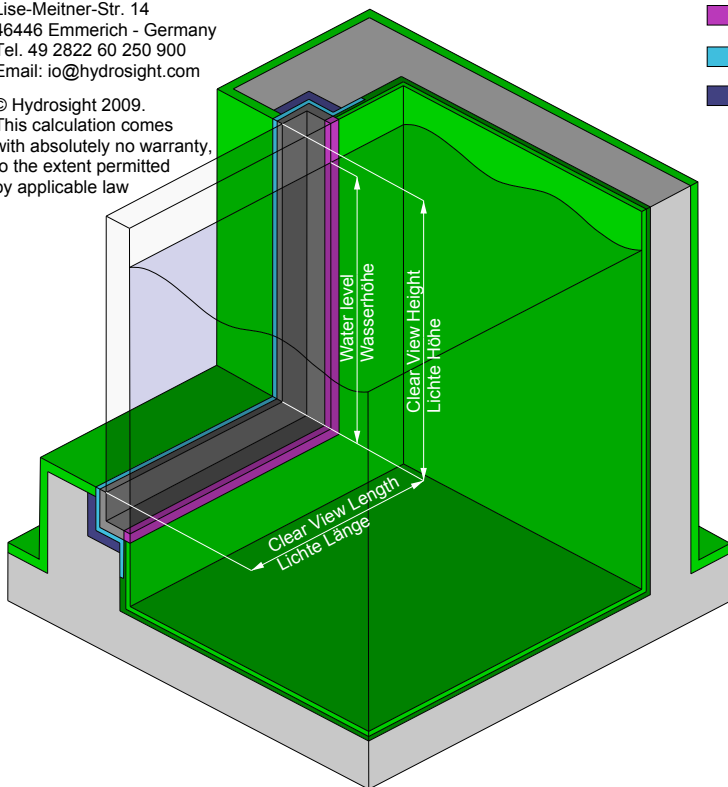
HYDROSIGHT
3D View Tiled Pool
Open Top Window

3D-Ansicht einer
Glaswand für ein
Folienschwimmbad

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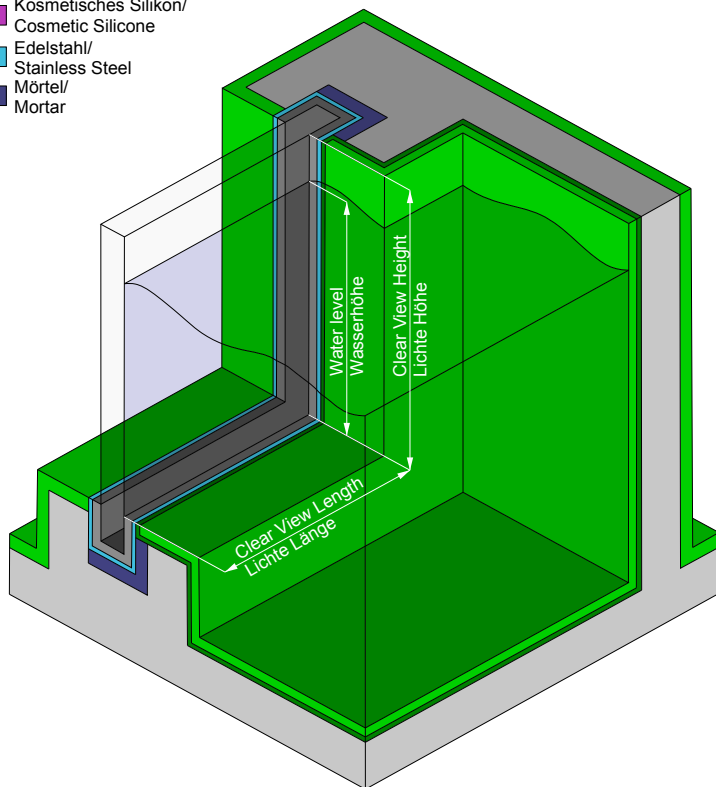
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KEINE EINSpannung
NOT CLAMPED



- Fliesen/
Mosaic
- Wasserabdichtung/
Water Sealing
- Acrylglas/
Acrylic
- Beton/
Concrete
- Wasserabdichtung/
Water Sealing
- Kosmetisches Silikon/
Cosmetic Silicone
- Edelstahl/
Stainless Steel
- Mörtel/
Mortar

BIEGEBALKEN
CANTILEVER SUPPORT



































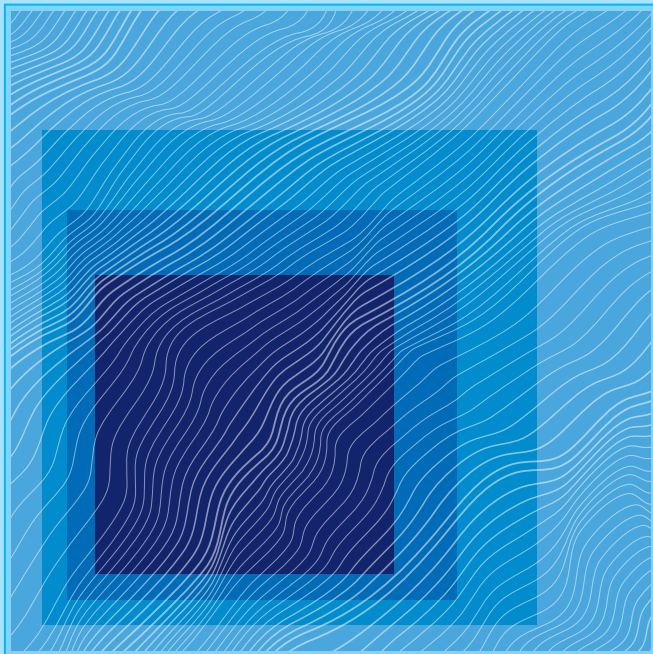








HYDROSIGHT



Underwater Windows
Unterwasserfenster
Fenêtres Sous-Marines
Ventanas Subacuáticas
Underwater Ramen
Underwater Ramen

Skylights /
Pool Bottom Windows







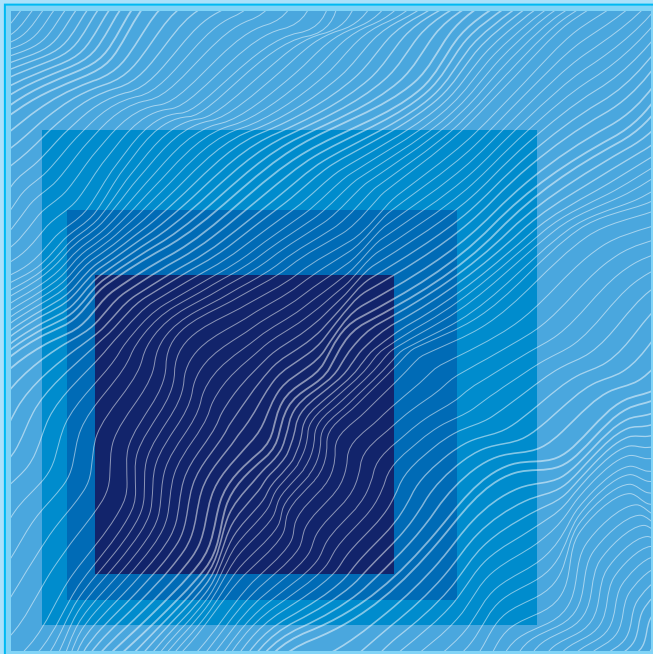








HYDROSIGHT



Underwater Windows
Unterwasserfenster
Fenêtres Sous-Marines
Ventanas Subaquáticas
Underwater Ramen
Underwater Ramen

Rectangular Windows

SNORKEL POOL WINDOWS IN CENTER PARCS, ALLGÄU

Schnorchelbecken-Verglasung im Center Parcs Allgäu



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Since its founding in 2003 Hydrosight, has evolved into a fully equipped manufacturer of underwater windows with a capacity for on-site installation.

Besides the pool and public aquarium market, Hydrosight focuses on architectural and artistic use, marine vessels and unique underwater attractions.

Hydrosight is a responsible and sustainable business.

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E-Mail: hello@hydrosight.com

Online: www.hydrosight.com



Date: 01/10/2018

Tags: Germany

projects.priceRange: 80.000-200.000EUR

Put on your mask and snorkel, and explore the wonderful underwater world full of exotic fish. Do you like scuba diving, or would like to try? In the coral pool, and its tropical fish, you can dive into an exotic world you never thought you'd visit. **quote**

Center Parcs

The aquarium is visible from underwater in the swimming pool. Centerparcs' visitors are encouraged to use snorkel and goggles to explore the sea life. Overall 13 aquarium windows separate the fresh water fish from the (chlorinated) swimming pool. These waterproof windows were custom designed by Hydrosight GmbH. Hydrosight, specialist in underwater glazing, delivered on time and within budget.

Deutschland-Premiere für das Schnorchelbecken im Center Parcs-Allgäu! Tauchen Sie ab und bestaunen Sie bunte Süßwasserfische aus nächster Nähe. Die spezielle Hydrosight-Unterwasserverglasung sorgt dafür, dass die Fische nicht weg schwimmen.

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Pictures copyright Center Parcs Allgäu
Fair usage by Hydrosight GmbH

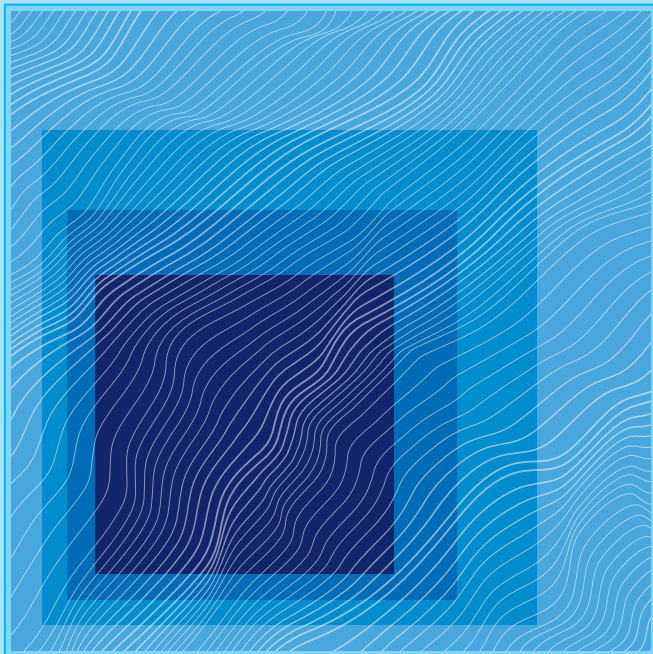








HYDROSIGHT



Underwater Windows
Unterwasserfenster
Fenêtres Sous-Marines
Ventanas Subacuáticas
Underwater Ramen
Underwater Ramen

Portholes
Round Windows





HYDROSIGHT GmbH

Pricelist round underwater windows

320/400/650/780 mm Diameter

Preisliste runde Unterwasserfenster

320/400/650/780 mm Durchmesser

Fon: +49 2822 60 250 90 -0

Mail: hello@hydrosight.com

Web: www.hydrosight.com

Tiled Pool			Kachel Becken		
Diameter (mm)	Weight in kg	Price for 1	Price for 2-5	Price for 5-10	Price for 10-100
Durchmesser (mm)	Gewicht in kg	Preis für 1	Preis für 2-5	Preis für 5-10	Preis für 10-100
320	20	2,465€	2,219€	2,145€	2,021€
400	25	2,703€	2,433€	2,351€	2,216€
650	38	3,515€	3,163€	3,058€	2,882€
780	45	4,617€	4,155€	4,017€	3,786€
Vinyl Liner Pool			Folien- Becken		
Diameter (mm)	Weight in kg	Price for 1	Price for 2-5	Price for 5-10	Price for 10-100
Durchmesser (mm)	Gewicht in kg	Preis für 1	Preis für 2-5	Preis für 5-10	Preis für 10-100
320	20	request	request	request	request
400	25	request	request	request	request
650	38	request	request	request	request
780	45	request	request	request	request
Stainless Steel Pool			Edelstahl- Becken		
Diameter (mm)	Weight in kg	Price for 1	Price for 2-5	Price for 5-10	Price for 10-100
Durchmesser (mm)	Gewicht in kg	Preis für 1	Preis für 2-5	Preis für 5-10	Preis für 10-100
320	20	2,639€	2,375€	2,296€	2,164€
400	25	2,755€	2,480€	2,397€	2,259€
650	38	3,625€	3,263€	3,154€	2,973€
780	45	4,727€	4,254€	4,112€	3,876€
Exposed Concrete Pool			Sichtbeton- Becken		
Diameter (mm)	Weight in kg	Price for 1	Price for 2-5	Price for 5-10	Price for 10-100
Durchmesser (mm)	Gewicht in kg	Preis für 1	Preis für 2-5	Preis für 5-10	Preis für 10-100
320	25	4,713€	4,242€	4,100€	request
400	30	5,061€	4,555€	4,403€	request
650	42	5,873€	5,286€	5,110€	request
780	52	6,917€	6,225€	6,018€	request

request = special price on request Sonderpreis auf Anfrage / Sonderpreis auf Anfrage

Hydrosight Warranty

1. Coverage
 - Subject to the conditions and limitations as stated hereinafter, Hydrosight GmbH warrants that its products will be free from manufacturing defects and will not rot, deteriorate or break down for the guarantee period.
2. Conditions
 - The products are used and installed in accordance with the terms and conditions of the Hydrosight data sheets, installation manuals and industry standard guidelines.
 - The product must be placed in a permanently filled water basin. Longer periods of time during which the product stands dry can lead to a limitation of the warranty.
 - The General Terms and Conditions of Hydrosight GmbH apply.
3. Resolution: Defects recognized by Hydrosight as being covered by the guarantee shall be corrected either
 1. by means of repair of the faulty product
 2. by replacement with a product in perfect working order.
 3. pay an amount not to exceed the original product cost verified to be defective.
4. Guarantee Period
 1. The guarantee period is 5 years.
 2. All products fit for purpose 15 years or longer
 3. Guarantee period of the glazing not yellowing for 30 years, to be filed directly to Evonik Industries
 4. The guarantee claim must be lodged within the guarantee period.
 5. The guarantee period begins from the time the product is purchased from Hydrosight.
5. The above guarantees apply to products that are bought and used outside the USA and Canada



Build for a lifetime. Five years unrestricted warranty.

Safety and Durability

Hydrosight windows are fundamentally designed for durability. Therefore, we do not use fiberglass-reinforced coatings, as we know that such waterproofing does not hold up over time. Instead, we utilize double-welded stainless steel frames. Combined with double silicone seals applied under factory conditions, we offer a guaranteed secure system.

Thanks to industrial-grade tank coating, our products surpass all competitors in terms of safety and longevity. Each Hydrosight window undergoes rigorous factory testing and is supplied with a quality certificate.



Each window is double sealed and individually pressure tested before shipping.



Hydrosight GmbH specializes in the engineering and assembly of pressurized windows. Established in 2003, Hydrosight has transformed into a fully equipped manufacturer of underwater windows, boasting the capability for on-site installations. In addition to supplying to the swimming pool market, Hydrosight focuses its attention to architectural applications, public aquariums, marine vessels, and scientific uses.

ADDRESS

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Germany

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hello@hydrosight.com

HYDROSIGHT

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Ventanas Subaquáticas
Underwater Ramen