



ASSEMBLY GUIDE

SADEV INO®

Collective or individual use

ORDER CONFORMITY

We advise you to read this manual completely and carefully before working on the equipment.

Using the delivery note, check the conformity of the delivery before any other intervention.

ACTIVATE YOUR PRODUCT WARRANTY

Register directly on our website
www.sadev.com/maintenance-and-warranty





Please read carefully and retain for future reference

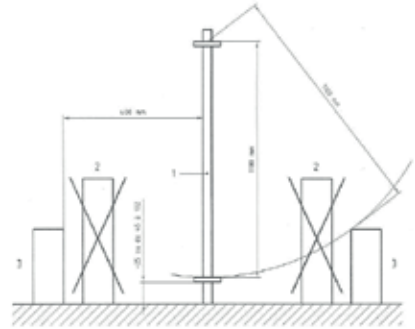
FRENCH STANDARD RECOMMENDATION

The swimside product must be installed according to the swimming pool standard of the country. These recommendation are based on the French standard.

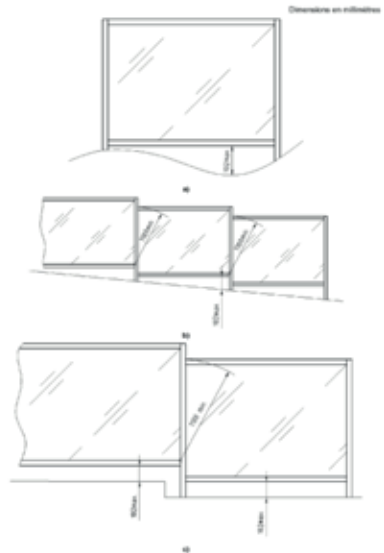
Any modification or degradation of the products of the company SADEV disengages the responsibility of our industry. In no case your distributor or the manufacturer of this barrier can be held responsible for the fall or drowning of any person or animal.

- It is recommended to install the barrier at least 1m from the water.
- For private pools for individual use, it is recommended not to install the barrier too far from the pool in order not to lose the effectiveness of the barrier.
- When the protective barrier is combined with one or more walls, these walls must not allow access to the pool through their height (minimum 1.10 m between support points) or their own openings (doors and windows closed by a childproof device).
- Whatever the profile of the ground (slope, presence of steps, etc.), the height between two support points must always be 1.10 m once the protective barrier is installed.
- It is imperative to change any deteriorated element (or set of elements).
- Ban presence of any fixed (low wall, etc.) or mobile support point and :
- on the external side of the barrier in relation to the pool: for all types of barriers (with bars or solid panels), ensure that there are no elements within a radius of 1.10 m;
- on the internal side of the barrier in relation to the pool: for barriers with bars only, ensure that there are no elements within 0.40 m of the barrier.

GROUND ANCHORING METHOD: the ground anchoring method must allow the permanent installation of the gate or pool barrier - the use of stainless steel screws is recommended.



Legende
1 Barre
2 Bar accessible
3 Accessoire



SECURITY ADVICE

This barrier is intended to limit access to the pool to children under the age of five.

No type of protection will ever replace parental supervision and vigilance.

- The pool can be a serious danger for your children. Drowning can happen very quickly. Children near a pool require your constant vigilance and active supervision, even if they can swim;
- This barrier is not a substitute for common sense or individual responsibility. This barrier is not a substitute for common sense or individual responsibility. It is not intended to replace the vigilance of responsible adults, which remains the essential factor for the protection of young children. The means of access must be systematically closed in case of absence, even momentary, from home;
- In case of damage, take all measures to prevent young children from accessing the pool until the barrier or the means of access is repaired when a malfunction is observed or when the barrier is dismantled to prevent the pool from being secured;
- The presence of a parent and/or a responsible adult is essential when the pool is open.



- Learn life-saving skills
- Memorize and post near the pool the first aid numbers
- Firemen; ambulance (emergency services)
- Poison control center
- Caution! Safety is only guaranteed when the access door is closed and locked
- Check that there are no objects near the barrier that could encourage or facilitate climbing the barrier
- The closing of the means of access for self-closing systems must be systematically checked.
- The means of access must be systematically in case of any absence of supervision, including brief or momentary absence.

MAINTENANCE

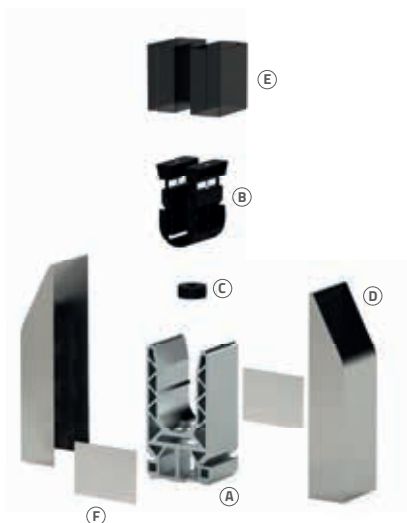
It is imperative to replace any deteriorated element or set of elements as soon as possible.

Only use parts approved by the supplier/installer.

For the maintenance of our parts, please refer to our Aluminium maintenance manual available on [sadev.com](https://www.sadev.com) 

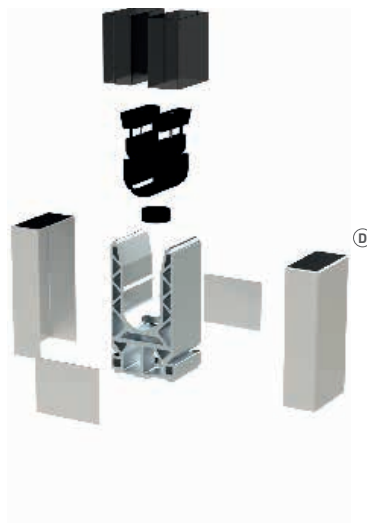
Products description

SADEV INO KIT



- Ⓐ an aluminum base (1 copie)
- Ⓑ a wedge (1 copie)
- Ⓒ a wedge centering (1 copie)
- Ⓓ a pair of cladding (2 copies)

SADEV INO SQUARE KIT



- Ⓔ adhesive support (2 copies)
- Ⓕ cover base (2 copies)

Fastening (not included in the kit - optional)

Wedge composition



Intermediate wedge + low wedge
(1 copie)



High wedge
(2 copies)



Screw
(2 copies)



Complete wedge
(1 copie)



Number on the black wedges	Reference	Glass composition	Glazing thickness [min.; max.]
4	0081NO111-0606	06.06 ou 12 mm	11.8 > 14.2 mm
3	0081NO111-15	15 mm	13.6 > 16.3 mm
2	0081NO111-0808	08.08	16.4 > 18.5 mm
1	0081NO111-1010	10.10	19.5 > 21.9 mm



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1	0081NO500-1010	10.10	19.5 > 21.9 mm

RECOMMENDATIONS

The installation of the protective barrier must comply with these installation instructions, as well as the precautions for use and safety. Any modification or damage to the SADEV products disengages the responsibility of our company.

Available on [sadev.com](https://www.sadev.com) 

IMPORTANT



Control that the glass thickness is compatible with the wedges before installing it in the rail.

Tools required for assembly

- **DRILLER**
- **DRILL BITS ADAPTED TO THE STRUCTURE AND FASTENING COMPONENTS**
drilling \varnothing 15mm according to manufacturing plans.
- **TIGHTENING TOOL AND TORQUE CONTROL** according to the type of fastening used
- **DYNAMOMETRIC SCREWDRIVER PACK + TORX BIT**
Ref. : 007-TRVS-1.4 NM - Tightening torque: 1.4 Nm
- **SADEV CORDLESS SCREWDRIVER**
- **LEVELING SHIMS**
- **LEVEL TOOL**
- **CLEANING SET** - Ref.: 7OUT-KITNET

SUMMARY

CONTROL AND PREPARATION OF THE GROUND.....	6
A BASE FIXING.....	7
B WEDGES ASSEMBLY.....	10
C INSTALLATION OF ADHESIVE SUPPORTS, GLASS AND HIGH WEDGES.....	11
D WEDGES TIGHTENING.....	13
E INSTALLATION OF COVER BASE.....	14
F INSTALLATION OF CLADDING.....	15
G REMOVING WEDGES MAINTENANCE	17

CONTROL AND PREPARATION OF THE GROUND

For safety reasons, the fixing of the protection barrier requires certain precautions.

GROUND ANCHORING METHOD: the ground anchoring method must allow the permanent installation of the barrier or pool fence.

Make sure to use anti-corrosion treated or stainless steel elements.

The profile must be anchored to a support capable of ensuring the rigidity of the system (slab, terrace, concrete block, etc.) using fastenings adapted to the latter and calculated according to the loads to be taken up (expansion plug, chemical plug, etc.)

The slab must have a certain thickness, necessary for the good holding of the fixing.

This minimum thickness will depend on the type of anchoring planned. Similarly, the distance between the edge of the slab and the anchoring point of the stiffener must not be less than a certain limit.

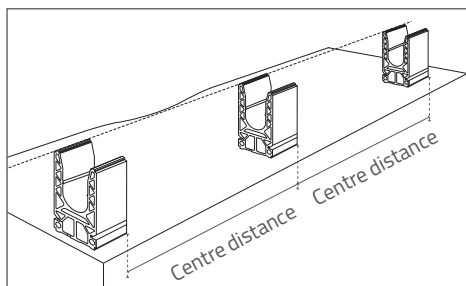
The sizing of expansion or chemical anchors which allow anchoring on solid or hollow bodies and guaranteeing mechanical resistance will be sized by approaching the anchor suppliers.

A BASE FIXING

IMPORTANT INFORMATION

The barrier should be installed at least 1 meter from the pool.

It is recommended not to install the barrier too far from the pool in order not to lose the effectiveness of the barrier.



Use a chalk line to trace the perimeter of the pool to determine the exact position of your barrier.

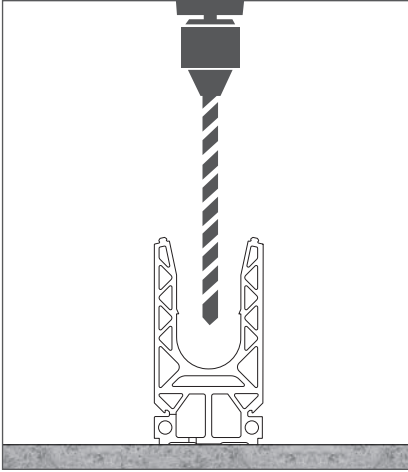
Also trace the position of the bases by respecting the following centre distance:

WIGHT OF THE GLASS	BASE NUMBER	CENTRE DISTANCE
1 200 mm	2	800
2 000 mm	3	800

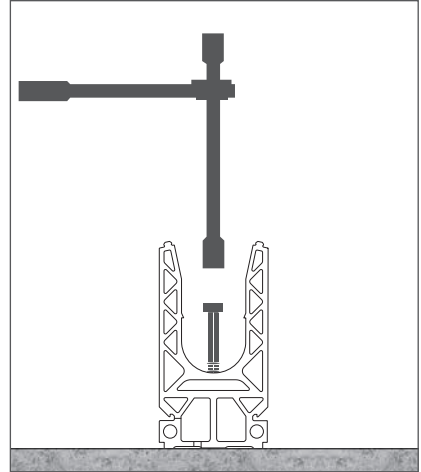
INFORMATIONS

The base must be anchored to a support capable of ensuring the rigidity of the system (slab, terrace, concrete block, etc.) by means of fasteners adapted to the latter and calculated according to the loads to be taken up (expansion plug, chemical plug, etc.). The use of stainless steel screws is recommended.

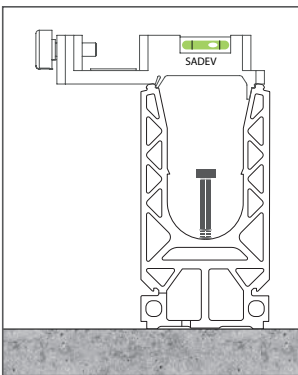
A BASE FIXING



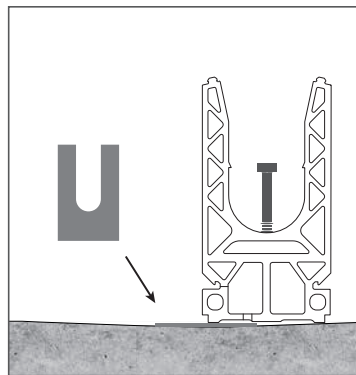
1 - Drill the support with a tool adapted to it.



2 - Pre-tighten the bases to be able to adjust them.



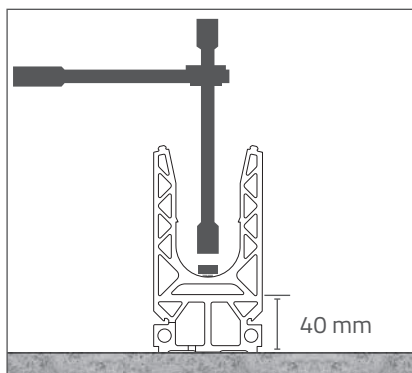
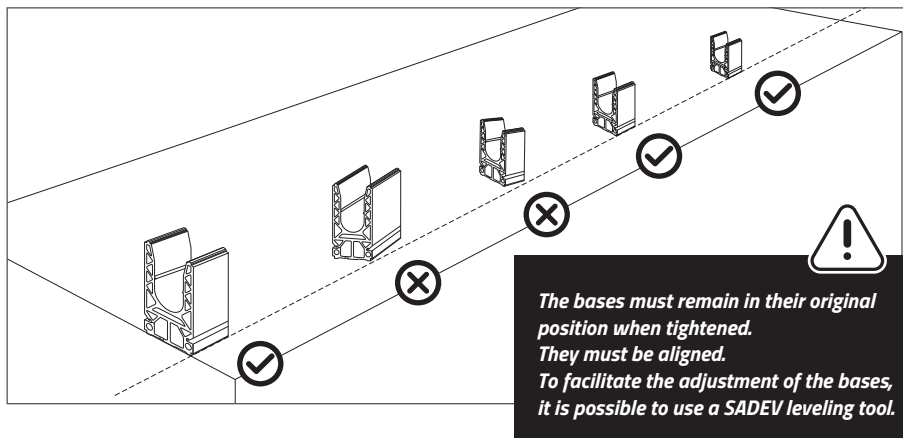
3 - To level the base, clip the SADEV leveling tool on the base.



4 - If the support is uneven, level the profile by adding our SADEV fork wedges.

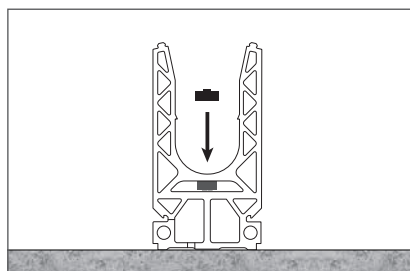
These shims must be placed at the level of the fixings (it is possible to use several, but the maximum shimming height must respect the regulations).

A BASE FIXING



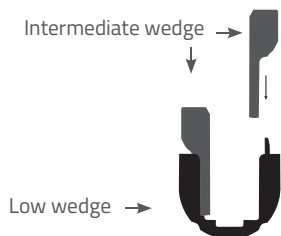
5 - Adjust and fix the base with the appropriate wrench to the fixing pins.

Respect the tightening torque and the mounting recommendations recommended by the manufacturer.

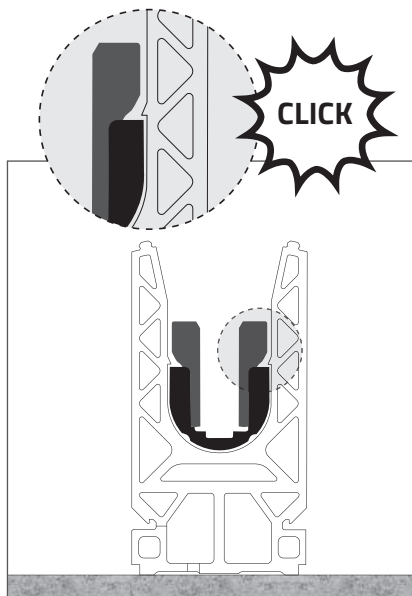
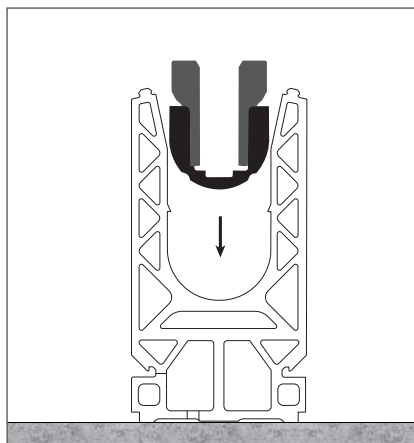


6 - Insert the centering tool.

B WEDGES ASSEMBLY



Before positioning the wedges in the base, make sure that the intermediate wedges are properly inserted on the bottom wedges.

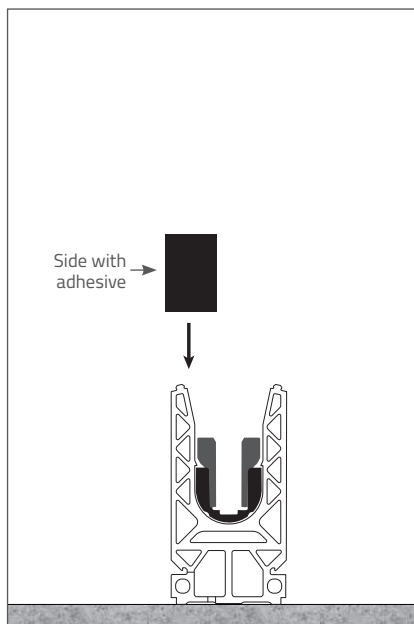


- 1 - Clean the rail with the Sadev cleaning set. Ref. : 7OUT-KITNET.
- 2 - Install the wedge in the rail.

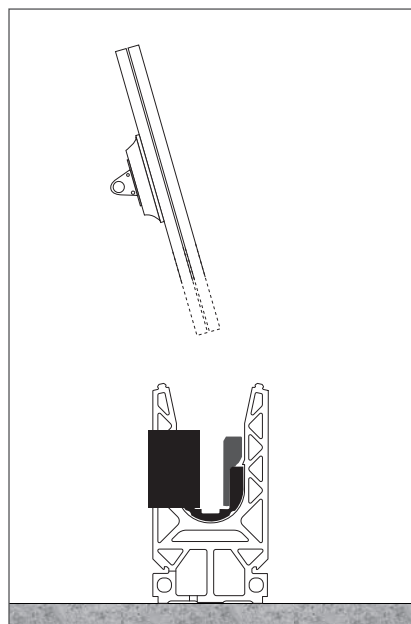


The wedges must be correctly positioned, you should hear «a click» when you insert them.

C INSTALLATION OF ADHESIVE SUPPORTS, GLASS AND HIGH WEDGES

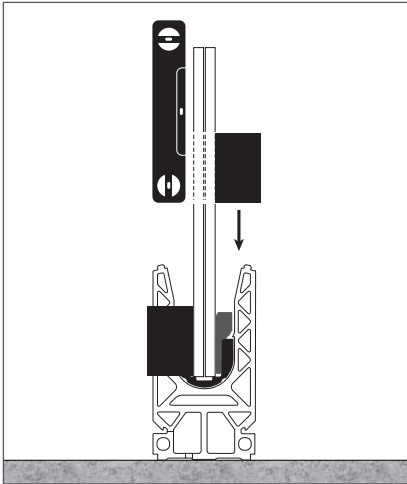


1 - Insert the first adhesive support onto the base without removing the adhesive backing.

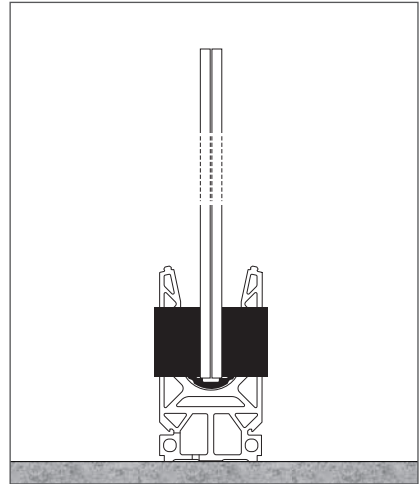


2 - Lift the glass inside the wedges.

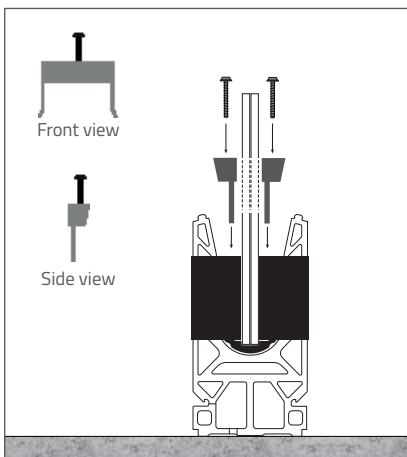
C INSTALLATION OF ADHESIVE SUPPORTS, GLASS AND HIGH WEDGES



3 - Level the glass.



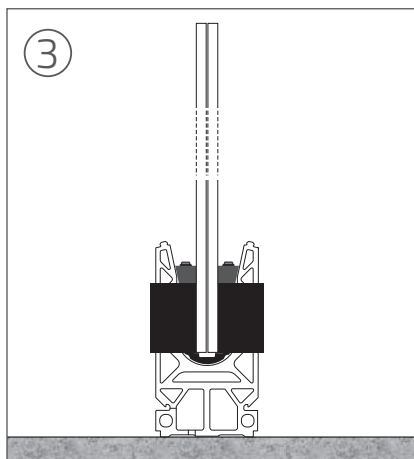
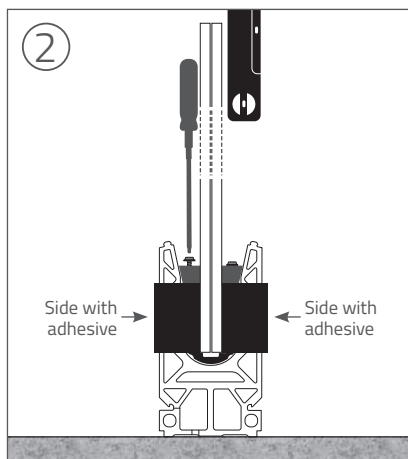
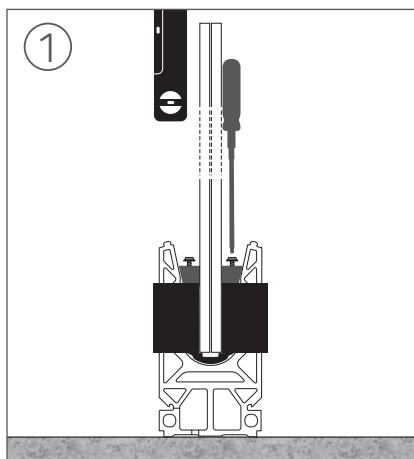
4 - Insert the second adhesive support onto the base without removing the adhesive backing.



5 - Insert the high wedge and start tightening the wedges alternately.

D WEDGES TIGHTENING

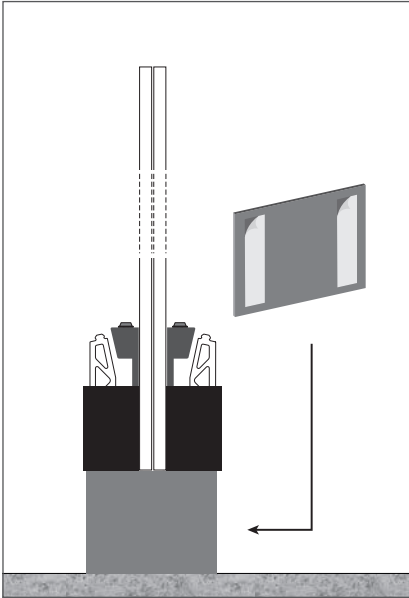
Tightening torque: 1.4 Nm



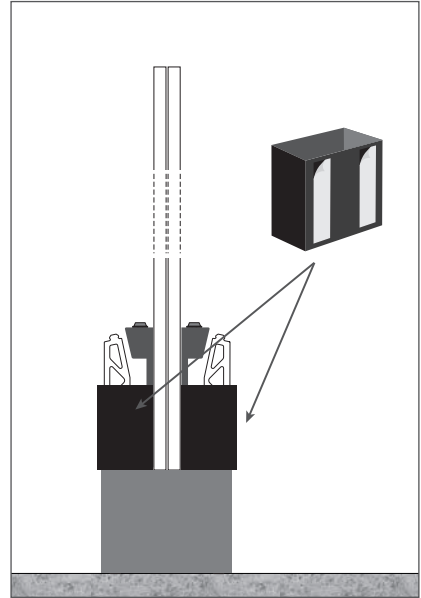
***Set the torque on your screwdriver.
Make a test on a tightened wedge with
our screwdriver and then keep the setting
of your screwdriver for all other wedges.***

- 1 - Screw on each side of the glass as long as you do not change the level of the glass using the SADEV torque screwdriver to finalize the tightening to the required torque: 1.4 Nm.

E INSTALLATION OF COVER BASES



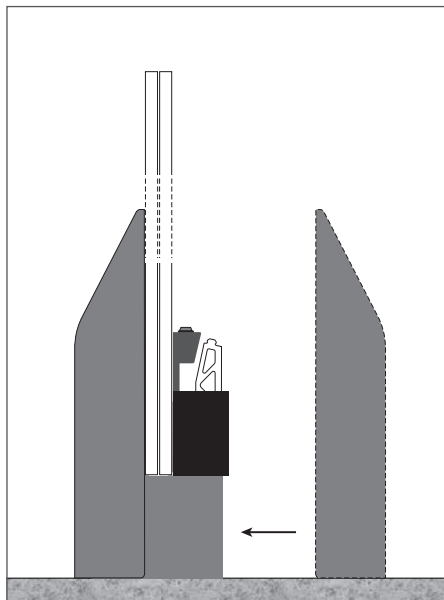
- 1 - Clean the rail with the Sadev cleaning set. Ref. : 7OUT-KITNET.
- 2 - Remove the adhesive protection from the covers and stick them to each side of the base.



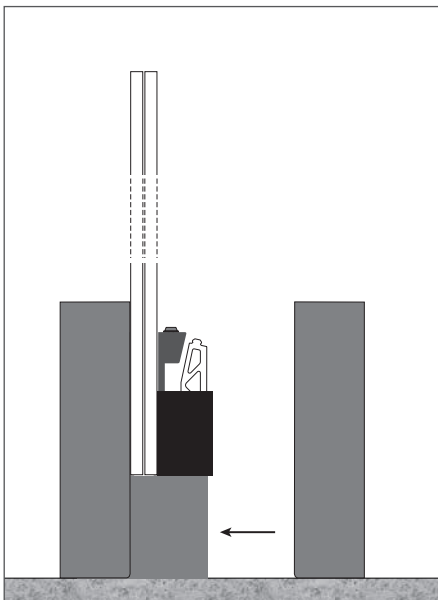
- 3 - Remove the adhesive protection from the adhesives supports.

F INSTALLATION OF CLADDING

INO Cladding



INO SQUARE Cladding

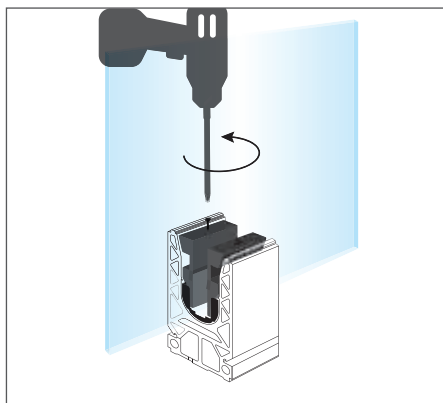


- 1 - Clean the inside of the cladding with the Sadev cleaning kit: 7OUT-KITNET
- 2 - Glue the covers on the adhesives supports.

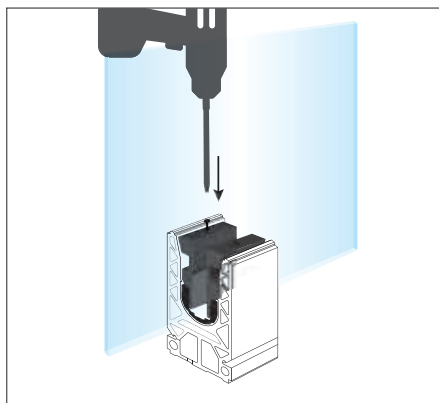


You have completed the installation of your pool barrier!

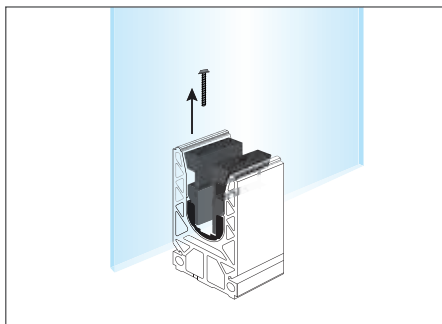
G REMOVING WEDGES MAINTENANCE



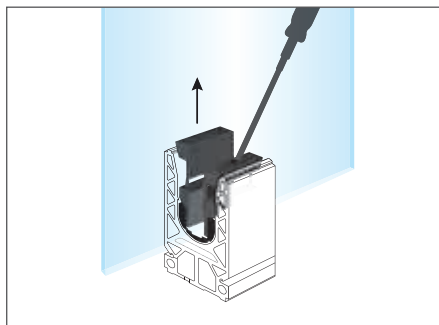
1 - After removing the cladding and gasket, unscrew the screws 1 cm high.



2 - Apply a force on the screw in order to lower the intermediate wedge.



3 - Finish unscrewing the screw and remove it.



4 - Using a screwdriver, pry between the intermediate and upper wedge to remove the high wedge.

INFORMATIONS

Any product installed in a corrosive environment must be replaced once dismantled.
They cannot be reused.

RECOMMENDATIONS FOR MAINTENANCE ALUMINIUM OF SADEV'S PRODUCTS

PRECAUTIONS DURING MANUFACTURING

From the conception of your project to delivery, all our attention is focused on the parts during manufacturing, packaging, storage, and preparation for shipment. Our teams work daily for your satisfaction.

PRECAUTIONS BEFORE INSTALLATION

In order to preserve the characteristics of aluminum, it is essential to store and handle it with care and work in the cleanest possible environment until the project is delivered.

It is therefore necessary to take care of the site environment and to respect certain work rules, in order to avoid, among other things:

- **Ferrous pollution:** steel particles are deposited on the aluminum when the same tools are used to work steel and then aluminum, or when steel is worked close to aluminum (welding, grinding). We recommend using different tools, especially for cutting (saw blades for example).
- **Galvanic corrosion:** alteration when a metal or alloy is electrically coupled to a metal or different alloy (e.g. Alu+ Stainless Steel / Alu + Steel).

Insulate the 2 metals with a neutral material (POM, Polyethylene, etc.) in order to limit contact.

- **Chemical pollution:** caused by the discharge of chemical products of both industrial and domestic origin. They can result in particular from the use of pesticides, detergents or even from heavy metals.

▪ **WARNING:**

- Aggravating factor: the combination of the following factors: saline environment, temperature, chlorinated environment, generate an acceleration of the corrosion process. This acceleration varies according to the combination of these different factors. Precautions must be taken into consideration.
- Other pollution or corrosions are possible depending on site conditions.

▪ **WARNING:** do not use chemicals that are incompatible with aluminum, including for cleaning (e.g. chlorinated products, acids, alkaline products, etc.).

It is impossible for us to list all the types of pollution that can alter the quality of aluminum because of multitude of factors can come into play because of the multitude of factors that can step in/ come into play.

SITE CLEANING

At the end of the work, it is essential to clean any residue with water and a mild detergent (PH between 5 and 8, such as dish-washing liquid, soap), rinse with clear water, then wipe off.

Each cleaning movement must follow the direction length of the profile.

As aluminum and its finishes are sensitive to acidic (pH < 5) and alkaline (pH > 8) products, it is strongly recommended not to clean with household products such as:

▪ **Hydrochloric acid, soda ash, vinegar and alkali.**

All cleaning must be tested beforehand on a less visible part.

PAY ATTENTION TO THE CLEANING PROCESS:

All cuts must be protected.

- Soft cloth or sponge without abrasive parts. Your cleaning process must imperatively take into account the polishing direction.
- Water + soap. No abrasives. The cleaning must be done within 15 days after the start of the work. It is also important to clean at the completion of work.

ANY RE-POLLUTED AREA MUST BE RE-CLEANED.

ROUTINE MAINTENANCE / MAINTENANCE OF YOUR SITE

For routine maintenance, we recommend the same type of cleaning that is carried out at the completion of work, i.e. the use of soap and water, followed by rinsing with clear water and wiping.

This must be regular and scheduled according to the type of building and its location.

The frequency of cleaning depends on the environment and the concentration of dirt on the surface.

The more frequent the cleaning, the easier and more economical it is.

This operation can be combined with the cleaning of the glazing.

In the case of light soiling or deposits (lime-scale, sea salts, etc.), slightly abrasive cleaning products of type F, specifically developed for this application, or non-aggressive fibers coated with fine, neutral polishing powder can be used.

In the case of very heavy soiling (due to lack of maintenance) requiring renovation, it is recommended to turn to a specialized company.

REGULARLY MAINTAINED SURFACES	MODERATELY SOILED SURFACES	HEAVILY SOILED SURFACES
<ul style="list-style-type: none"> ▪ Washing with water with wetting agent (pH between 5 and 8) ▪ Thoroughly rinse with clean water ▪ Wiping with a soft, absorbent cloth 	<ul style="list-style-type: none"> ▪ Washing with water with a «cleaner and shine remover» added ▪ Thoroughly rinse with clean water ▪ Wiping with a soft, absorbent cloth 	<ul style="list-style-type: none"> ▪ Contact a specialist company

FREQUENCY OF CLEANING (As an indication)

IN RURAL OR SPARSELY POPULATED URBAN AREAS	IN URBAN, INDUSTRIAL OR MARINE ENVIRONMENTS	THE CLEANING OF PARTS NOT NATURALLY WASHED BY RAINWATER
<ul style="list-style-type: none"> ▪ Where there are no aggressive elements in the environment, the frequency of maintenance for surfaces regularly washed by rainwater is generally annual. 	<ul style="list-style-type: none"> ▪ Require quarterly or semi-annual maintenance depending on the amount of product exposure. <p>In areas close to chemical industries or by the sea, the operation should be repeated every month to avoid stains caused by salt or other corrosive materials.</p>	<ul style="list-style-type: none"> ▪ (Areas with high traffic and high loads such as building entrances, shop fronts, etc.) must be carried out more frequently than for exposed surfaces.

Reference:

<https://www.aluminum.fr/aluminum/proprietes-aluminum>

<https://www.lenntech.fr/periodique/elements/al.htm>

<https://www.futura-sciences.com/sciences/definitions/chimie-aluminum-14515/>

<https://www.adal-aluminum.fr/entretien-de-laluminum-anodise/>

RECOMMENDATIONS FOR MAINTENANCE STAINLESS STEEL OF SADEV'S PRODUCTS

PRECAUTIONS DURING MANUFACTURING

Stainless steel does not mean unalterable.

Stainless steel has a passive and invisible layer.

In case of deterioration, 2 possibilities are possible for it to be reconstituted:

- **Naturally or by chemical means (passivation).**

PRECAUTIONS BEFORE INSTALLATION

- **WARNING:** Do not work on materials other than stainless steel in the vicinity (be careful not to use tools dedicated to working with stainless steel)

In order to preserve the characteristics of stainless steel, it is essential to store it, handle it, etc. with care and work in the cleanest possible environment until the project is delivered.

It is therefore necessary to take precautions at the site environment and to use certain work rules, among other things:

- **Ferrous pollution:** steel particles are deposited on stainless steel when the same tools are used to work steel, then stainless steel; or when working with steel near stainless steel.
- **Galvanic corrosion:** it is necessary to insert an insulator where 2 metals of different nature are in contact.
- **Chemical pollution:** do not use chemical products that are incompatible with stainless steel, for cleaning (e.g. chlorinated products).

- **WARNING:**
 - Aggravating factor: the combination of the following factors: saline environment, temperature, chlorinated environment, generate an acceleration of the corrosion process. This acceleration varies according to the combination of these different factors. Precautions must be taken into consideration.
 - Other pollution or corrosion is possible depending on site conditions.

It is impossible for us to list all the types of pollution that can alter the quality of stainless steel because of multitude of factors can come into play.

If in doubt, we advise you to use a company specialised in cleaning.

SITE CLEANING

During your work and depending on the duration of the work, it is essential to clean the residues and dust that may have been deposited on the SADEV parts with soap and water, rinse with clear water, then wipe off.

We recommend thoroughly cleaning if the construction site lasts more than 30 days.

Each cleaning movement must follow the length of the profile.

When using chemical cleaning products, it is essential to comply with the safety and environmental regulations relating to the product chosen.

These products must be used in diluted quantities (follow the instructions of the cleaning product). All cleaning must be tested beforehand on a less visible area.

The use of chlorinated products is to be prohibited (e.g. hydrochloric acid, bleach).

PAY ATTENTION TO THE CLEANING PROCESS:

All cuts must be protected.

- Soft cloth or sponge without abrasive parts. Your cleaning process must imperatively take into account the polishing direction.
 - Water + soap. No abrasives. The cleaning must be done within 15 days after the start of the work.
- It is also important to clean at the completion of work.

ANY RE-POLLUTED AREA MUST BE RE-CLEANED.

ROUTINE MAINTENANCE / MAINTENANCE OF YOUR SITE

For routine maintenance, we recommend the same type of cleaning that is carried out at the completion of work, i.e. the use of soap and water, followed by rinsing with clear water and wiping.

This must be regular and scheduled according to the type of building and its location.

- **If close to the sea or salt**, near a road (which may be salty), the cleaning needs should be planned.
- **Chlorine-laden environments** (e.g. swimming pools) require special attention.
- **Industrial buildings** could have a sulphur content in the air.
- **Visual discolouration of stainless steel** could mean that a corrosion process has started. This must be dealt with seriously and without delay.

The frequency of cleaning depends on the environment and must be scheduled according to local conditions.

In general we strongly recommend a maintenance contract for SADEV parts.

Référence :

« L'entretien de l'Acier Inoxydable dans le Bâtiment » > Nancy Baddo, Euro Inox

« Tout ce que vous vouliez savoir sur l'inox sans avoir osé le demander ! » > Inox consulting SAS

« Fiche technique N°20 Nettoyage et entretien des inox » > id inox

“L'acier inoxydable en piscine” > Arcelor Mittal

« Les 7 cas de corrosion de l'inox » > Eric Chaveau

SWIMSIDE® 

ASSEMBLY GUIDE SADEV INO®

Available on [sadev.com](https://www.sadev.com) 



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