



# covrex.

Outstanding pool covers



## Slats

CLASSIC, SOLAR, SOLAR LITE, LITE



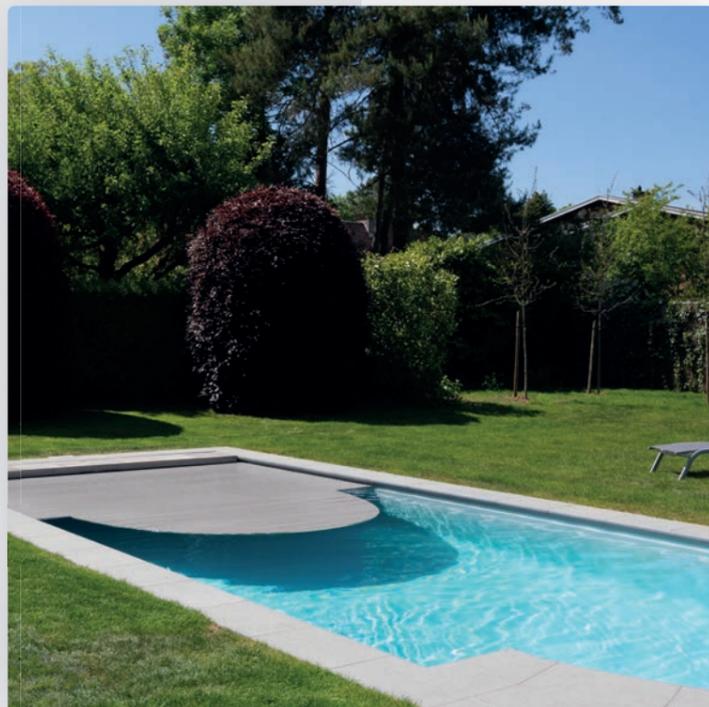
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**TSPH**  
the swimming pool hub

Made in Belgium



## OUR SLATS

# Innovation, quality and safety

Thanks to our research team and our own assembly plant, Covrex® slats offer sleek design, are produced with the best materials and meet the strictest current standards.

### Covrex® slats are available in four models:

**Covrex® Classic:** the strongest and most insulating filled slat on the market (patented).

**Covrex® Solar:** a polycarbonate heating slat with anti-algae properties.

**Covrex® Solar Lite:** a polycarbonate heating slat.

**Covrex® Lite:** a hollow PVC slat, the best value for money.

### Compatible with all swimming pools

Thanks to our big range of drive systems, Covrex® slats adapt to virtually any pool and are an ideal solution to cover new pools and renovations.

	Covrex® Classic	Covrex® Solar	Covrex® Solar Lite	Covrex® Lite
<b>Slat</b>	Filled slat	Polycarbonate slat	Polycarbonate slat	Hollow PVC slat
<b>Weight</b>	7kg/m <sup>2</sup>	3.4kg/m <sup>2</sup>	3.4kg/m <sup>2</sup>	4kg/m <sup>2</sup>
<b>Benefits</b>	Insulating and resistant	Heating, anti-algae	Heating	Economical
<b>Colours</b>	○ ○ ○ ○	● ● ● ○	● ● ●	○ ○ ○ ○
<b>Rolled-up diameter</b> For a 10m pool	425 mm (114 mm axle)	503 mm (114 mm axle)	503 mm (167 mm axle)	555 mm (167 mm axle)
<b>Special shape</b>	✓	✓	✓	✓
<b>Warranty</b>	5 years	5 years	3 years	3 years



## Covrex® Classic

### INSULATING AND SECURE SWIMMING POOL COVER

In 2003, after realising that no cover on the market met our customers' requirements for safety, durability and insulation, our engineers designed the Covrex® Classic automatic swimming pool cover.

The Covrex® Classic slats were immediately a great success in the swimming pool market. Growing demand quickly crossed borders to reach many parts of the world. In 2006, a new version of the Covrex® Classic slat was created to further improve its strength, insulation and ease of maintenance.

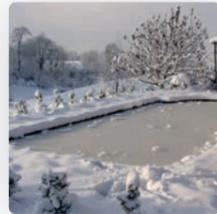
Providing maximum security is one of the objectives of Covrex®. To achieve this, our covers have been developed according to French safety standards NF P90-308 relating to swimming pool covers, with which they are fully compliant and even exceed up to three times. As a result, Covrex® pool covers are perfectly secure for both adults and children. In addition, Covrex® Classic slats received ISO 1183 certification following a large number of tests: thermal co-efficiency, expansion, elasticity (tear/break) and UV tests using xenon gas and other substances.

## Benefits of patented Covrex® Classic covers and their systems



### Insulation

Covrex® Classic slats provide the best insulation on the market, with a thermal transmission coefficient of only 4.85 W/(m².K).  
Traditional hollow slats: 5.24 W/(m².K)



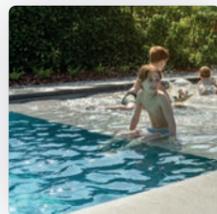
### Resistance

Filled Covrex® Classic slats are specifically designed to withstand hail, frost and high temperature variations (-40°C to +70°C). Our systems are all made from 316L stainless steel (A4) to prevent rusting.



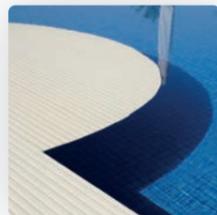
### Maintenance

Covrex® Classic slats do not use a traditional hinge but are coextruded with a flexible, perfectly smooth joint to prevent algae from clinging to them. The slats therefore do not have a hollow chamber where algae and dirt could accumulate.



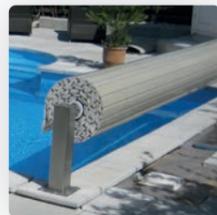
### Safety

Fully compliant with the French safety standards NF P90-308 for swimming pool covers, our covers even exceed by up to three times the recommendations of these standards when installed with the recommended options.



### Shape

With their solid slats, Covrex® Classic covers adapt to all swimming pool shapes, including those that are curved as they don't have end caps at the end of the slats and can be custom-cut with a jig saw.



### Space saving

The Covrex® Classic cover has a rolled-up diameter up to 50% smaller than a traditional cover, maximising the space for swimming in the pool.

## Available in four colours



**Arctic Blue**  
RAL 5012



**Cream White**  
RAL 9001



**Silix Grey**  
RAL 7032



**Steel Grey**  
RAL 7037

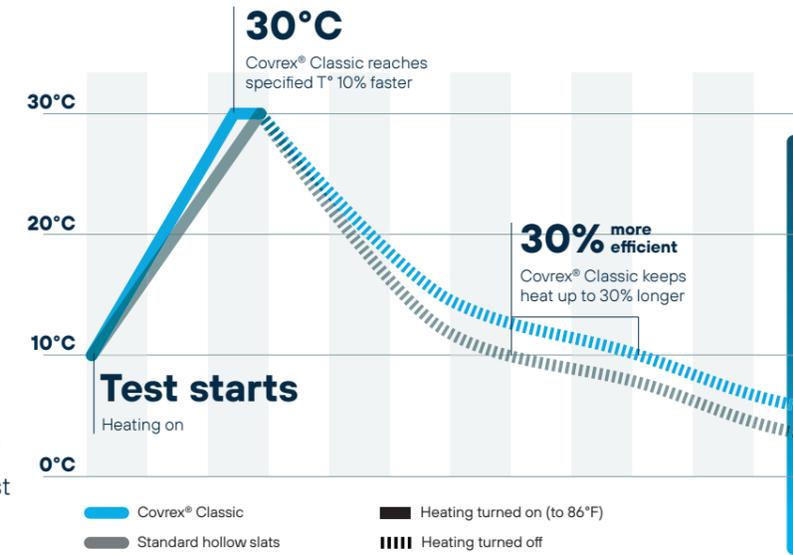
The connections between the slats of Covrex® Classic covers are always grey. Our laboratory tests have shown that silix grey polyurethane (the material used for the connections) has the best resistance to UV and aging. Discover these four colours at the outdoor pools at the Covrex® showroom in Aarschot, in Flemish Brabant.

## Insulation

Thanks to their impressive insulation capacity (insulation coefficient of 4.85 W/(m².K)), Covrex® Classic filled slats help keep the heat in the pool. This means that pools equipped with a Covrex® Classic cover have a longer swimming season and minimise heat loss during colder nights and days.

### The best insulation on the market

All traditional swimming pool covers are made of hollow slats or chambers that get filled with moist air. This moist air greatly reduces the insulation coefficient. In addition, these traditional hollow slats are connected by hinges, which cause additional heat loss.



## Weather and hail resistance



After the hail test, conducted by an external and independent laboratory.  
On the left: standard hollow slats  
On the right: Covrex® Classic slats

It took over five years of research to create Covrex® Classic slats. Compared with traditional covers, regularly damaged due to hail, frost, or extreme weather conditions, Covrex® Classic slats offer unmatched resistance to bad weather all year long and any damage related to hail or frost is even covered by our warranty!

Thanks to the high-quality materials used, our Covrex® covers are easily able to withstand extreme weather conditions and maintain their flexibility up to -20°C. This means Covrex® covers can remain on the water during the winter without any additional protection or lower the water level. This means there is no need to install a

winter system or bubble cover. And vice versa, in extremely hot temperatures, while traditional covers can bend and deform, Covrex® Classic slats keep their shape up to 70°C with no problem.

And when autumn arrives and the trees lose their leaves, Covrex® covers keep the pool clean, with their flexible joints preventing leaves and dirt from entering the pool by slipping between hinges.

## Safety

One of our missions at Covrex® is to provide maximum security. To achieve this, our covers were developed in line with the French safety standards NF P90-308 relating to swimming pool covers, with which they are fully compliant and even exceed up to 3 times. As a result, Covrex® pool covers are perfectly safe for both children and adults.

It is possible to add safety hooks to the covers to make the installation even more safe, to the extent that the cover could support the weight of several adults without risk of them falling in or the cover breaking. A handrail is also available as an option.

Some swimming pools (such as those from LPW Pools) have a safety ledge for even more safety.



## Style

Covrex® Classic covers are the only foam filled slats with a flexible joint, offering increased resistance as well as a perfect finish, including pools with curved shapes. For swimming pools of different shapes, the installer will cut the slats directly on site so that the cover perfectly fits the curves of the pool.

With Covrex® Classic covers, gone are the days of stair-shape covers.



Covrex® Classic rounded cut



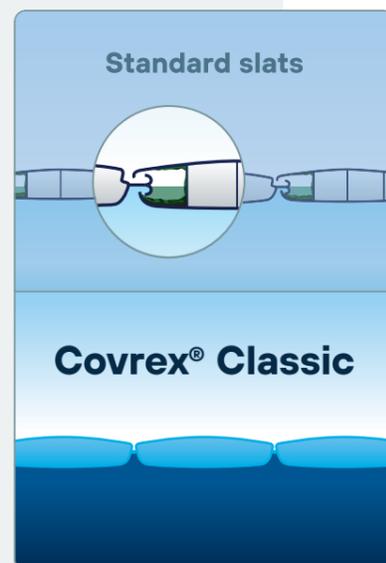
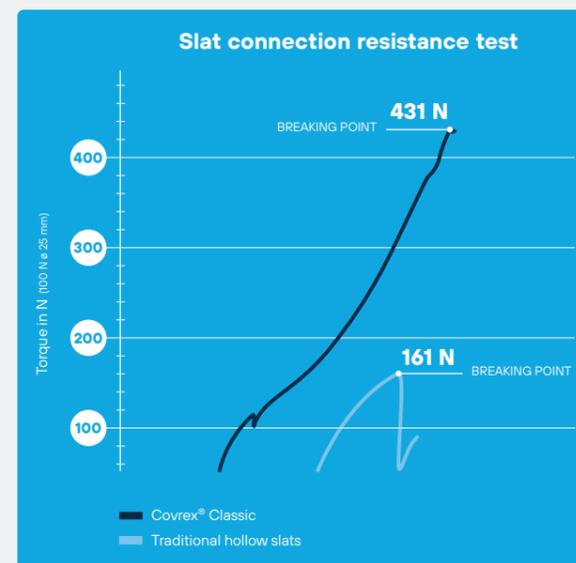
Traditional stair-cut covers with hollow slats

## Anti-algae properties, easy maintenance

Covrex® Classic slats do not have traditional hinges. They are co-extruded with a flexible joint so that dirt and algae cannot cling to the cover or get into the swimming pool. This structure also makes it easier to take care of the cover: it can even be cleaned when the pool is open using a high-pressure cleaner (at a minimum distance of 50 cm).

The flexible PU joint is extremely resistant and durable. This has been confirmed by laboratory

tests, and the results, as well as the comparison with a traditional slat, are shown below, with our slats proving to be more than three times more resistant.



## Optimised swimming surface

Thanks to its compact design, the Covrex® Classic cover has the smallest rolled-up diameter on the market. With a 50% space saving compared to traditional covers, it provides more space in the pool for maximum swimming space.

For example, the rolled-up diameter of your cover in a 12-metre long pool will be only 50 cm, while that of a traditional cover would be between 70 and 110 cm.

### Axle diameter

Length	114 mm axle	141 mm axle
0m (base)	114 mm	141 mm
3 m	270 mm	280 mm
8 m	375 mm	420 mm
10 m	425 mm	465 mm
12 m	465 mm	500 mm
14 m	505 mm	535 mm
16 m	535 mm	560 mm
18 m	575 mm	585 mm
20 m	600 mm	620 mm
25 m	-	700 mm



## Technical information

Co-extruded pool cover with filled slats and flexible polyurethane joints.

**Year launched:** 2006

**Warranty:** 5 years, including hail and frost damage (see warranty conditions)

**Compliance:** French safety standard NF P 90-308

**Dimensions:** width: 19.6 mm per slat, custom length (maximum 12.50 m)

### Mechanical features

**Interior:** Expanded PVC foam

**Exterior:** Compact PVC

**Flexible joints:** polyurethane (TPU)

**Tear propagation resistance of the PUR hinge according to ISO 34/1:**  $\geq 55$  N/mm

**Tensile strength of the hinge** according to ISO 527 (measured on a 25 mm wide profile sample at a speed of 50 mm/min:  $\geq 150$  N

**Coefficient of linear dilation according to DIN 53752:**  $\text{ca. } 0.8 \cdot 10^{-4} 1/^{\circ}\text{K}$

**Xenotest 1200 for artificial ageing, cycle 102:** 18 min, 4000 h according to ISO 489

**Grey scale:** > level 3

**Thickness:** 14 mm

**Weight:** approx. 7.0 kg/m<sup>2</sup>

### Thermal characteristics

**Temperatures:** min. -40°C and max. +70°C

When being opened and closed, the cover must always be free of snow and ice.

In the event of a large temperature difference between the outside air and the swimming pool water, the slats may bend slightly at the ends. However, this phenomenon is minimal, brief, and completely disappears when this temperature difference ends.

### Chemical characteristics

**pH level tolerated in the water:** between 7.0 and 7.4

**Maximum chlorine level:** 2 mg/l

After a chlorine shock treatment, keep the cover open for 24 hours and the pool filter turned on.

If the water is treated with salt electrolysis, connect the

cover to the electrolyser to stop (or significantly decrease) chlorine production when the cover is closed to avoid over-chlorination. Any damage caused by over-chlorination will not be covered by the warranty. Although extruded with an anti-UV protective layer, the joints are likely to turn yellow over time.

### Maintenance

It is essential to clean your cover regularly in order to keep it in a good condition. You can use a high-pressure cleaner (max. temperature of 60°C at a minimum distance of 50 cm). We recommend using a cleaning product for swimming pool covers. It is prohibited to use sharp or rough materials and tools to clean the cover.

To avoid the build-up of dirt on the smooth surface of the slats, we recommend brushing the cover regularly. The presence of dirt on the smooth surface of the slats contributes to the development of algae.

Branches, leaves and other dirt, as well as any snow or ice, need to be removed from the cover before it is used.

Limestone deposits on the cover can be cleaned with an anti-limestone product in the water.

### Assembly

Usage instructions are available on request by emailing [service@covrex.com](mailto:service@covrex.com) or through our website [www.covrex.com](http://www.covrex.com)

### Laboratory resistance tests

See the resistance tests and comparisons with traditional hollow slats via the following links:

**Tensile test:**

<https://covrex.com/v/connection>

**Shock resistance:**

<https://covrex.com/v/hail>

**Accelerated ageing:**

<https://covrex.com/v/life>

**Safety (with safety hooks):**

<http://covrex.com/v/kids>



## Covrex® Solar

### SOLAR AND ANTI-ALGAE POLYCARBONATE COVER

Based on Covrex® expertise acquired over many years in the world of solar swimming pool covers, Covrex® Solar slats, made from polycarbonate, have an ultra-strong structure and first-rate performance. All this plus a stunning design to boot!

Polycarbonate has long been known for its strength. This extremely shock-resistant polymer has a very long lifespan.

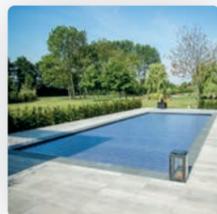
To withstand UV rays, Covrex® Solar slats have a lined top layer. Specifically treated to resist UV rays, this lining is not extruded in the massa and has an even longer lifespan.

## Benefits of Covrex® Solar covers and their systems



### Hail and shock-resistant

Unlike traditional PVC solar covers, which are not very resistant to hail, Covrex® Solar polycarbonate slats are up to 16 x more shock- and impact-resistant. Tested according to Swiss VKF standards, they achieve the best result (Class 4), equivalent to the shock produced by the fall of an object the size of a tennis ball, at a speed of 110km/h and a temperature below 0°C.



### Safety

Covrex® Solar slats meet the NFP90-308 safety standard and can be installed as a safety cover.



### Anti-algae

Covrex® Solar slats are extruded to prevent the formation of algae. Having this structure directly integrated into the slat profile allows the slats to stay clean for longer by moving water through the hinges, which prevents algae from clinging and makes it difficult for them to spread.



### Energy savings

Covrex® Solar covers save a significant amount of energy and require fewer chemicals and less maintenance. Thanks to these savings, the investment is quickly profitable.

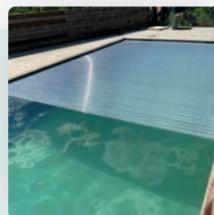
**Energy saving:** Equipped with a Covrex® Solar cover, a swimming pool requires less heating.

### Water treatment product savings:

Covrex® Solar slats prevent the build-up of dirt, algae and microorganisms in the pool. Treating the water therefore requires only a small quantity of chemicals (chlorine/pH/anti-algae). In addition, the opaque lower layer of the slats prevents photosynthesis as the sun's rays do not enter the pool.

### Cover maintenance product savings:

Covrex® Solar slats are extremely durable and can be cleaned with a high-pressure jet.



### Ultimate transparency

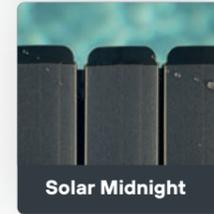
The Covrex® Solar Pearl slat is a completely transparent polycarbonate mono-extrusion. This transparency means you can enjoy your swimming pool, even with the cover on.

## Available in four finishes



Solar Aluminium

Unlike traditional solar covers, the innovative structure of Covrex® Solar Aluminium slats hides possible condensation present in the hollow slats.



Solar Midnight

With the same benefits as the aluminium version, Covrex® Solar Midnight slats have a black finish with a beautiful golden shine. Guaranteed to impress.



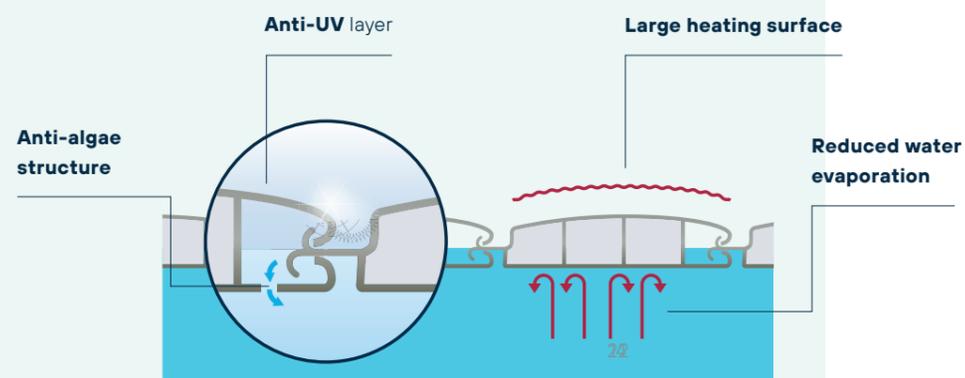
Solar Blue

The colour of the Covrex® Solar Blue slats gives the impression of great depth while staying clean and safe.



Pearl

Covrex® Solar Pearl slats stand out for their complete transparency. Perfect to make the most of indoor pool lighting, they are also heating when used on an outdoor pool.





## Technical information

Polycarbonate solar slats.

**Year launched:** 2018

**Warranty:** 5 years

**Dimensions:** width: 60 mm per slat, bespoke length (max. 12.50 m). 75mm width is available upon request.

**Finish:** black, silver, blue or transparent polycarbonate

**End caps:** black or transparent polycarbonate end caps (Pearl) glued with a black or transparent silicone glue (Pearl).

**Weight:** ± 3.35 kg/m<sup>2</sup> (60 mm) / ± 3.50 kg/m<sup>2</sup> (75 mm)

### Chemical composition

**Tolerance of water pH values:** 7.0 to 7.4

**Maximum chlorine level:** 2 mg/l

After a shock chlorination, leave the cover open and run the filter for 24 hours. If the water is treated with salt electrolysis, connect the cover to the electrolyser to stop (or significantly decrease) chlorine production when the cover is closed to avoid over-chlorination. Any damage caused by over-chlorination will not be covered by the warranty.

### Assembly

Usage instructions are available on request by emailing [service@covrex.com](mailto:service@covrex.com) or on our website [www.covrex.com](http://www.covrex.com).

### Usage

Our recommendations and tips for using the covers can be requested at [service@covrex.com](mailto:service@covrex.com) or via [www.covrex.com](http://www.covrex.com).

**Covrex® Solar slats should never stay exposed to the sun outside the water!** Any damage due to sun exposure from above-water slats is not covered by the warranty. Covrex® Solar does comply with French standards NF P 90-308.

## Maintenance

It is essential to rinse your cover regularly to keep it in immaculate condition. You can use a high-pressure cleaner (max. temperature of 60°C at a minimum distance of 50 cm). We recommend using a cleaning product for swimming pool covers. It is prohibited to use abrasive or rough materials on the cover.

If necessary, the profiles are to be cleaned with clear water or with a neutral cleaner, used according to the manufacturer's instructions.

Undiluted solvents and cleaning products can cause stress cracking of the slats. Organic solvents can damage the slats. These products should therefore not be used. In particular, alcohol or acid-based cleaning products, such as vinegar or lemon, must not be used, as well as paint thinners and organic solvents such as acetone, methyl acetate, benzene, chlorinated hydrocarbons, dibutyl phthalate, toluene, xylene, methanol, methylene chloride, phenol, ethanol, tetrahydrofuran, ether and plasticisers. Cleaning products containing abrasive products must also not be used at the risk of damaging the top layer of anti-UV polycarbonate and significantly reducing the lifespan of the slats.

Branches, leaves and other dirt, as well as any snow or ice, need to be removed from the cover before it is used.

Limestone deposits on the cover can be cleaned with an anti-limestone product in the water.

### Axle diameter

Length	114 mm axle		141 mm axle	
	60 mm slats	75 mm slats	60 mm slats	75 mm slats
0m (base)	114 mm	114 mm	141 mm	141 mm
3 m	272 mm	300 mm	290 mm	310 mm
8 m	412 mm	455 mm	417 mm	460 mm
10 m	455 mm	505 mm	460 mm	510 mm
12 m	503 mm	550 mm	504 mm	550 mm
14 m	536 mm	595 mm	537 mm	590 mm
16 m	574 mm	630 mm	572 mm	630 mm
18 m	598 mm	665 mm	599 mm	670 mm
20 m	630 mm	700 mm	633 mm	700 mm
25 m	702 mm	775 mm	704 mm	775 mm



## Covrex® Solar Lite

### POLYCARBONATE SOLAR COVER

Drawing on Covrex® expertise acquired over many years in the world of solar swimming pool covers, Covrex® Solar slats, made from polycarbonate, have an ultra-strong structure and first-rate performance. All this plus a stunning design to boot!

Polycarbonate has long been known for its strength. This extremely shock-resistant polymer has a very long lifespan.

To withstand UV rays, Covrex® Solar slats have a lined top layer. Specifically treated to resist UV rays, this lining is not extruded throughout and has an even longer lifespan.

## Benefits of Covrex® Solar Lite covers and their systems



### Hail and shock-resistant

Made from polycarbonate, Covrex® Solar Lite slats are highly shock-resistant, including to hail. They are also much less sensitive to temperature differences than PVC solar slats.



### Safety

Covrex® Solar Lite slats meet safety standard NFP90-308 and can be installed as a safety cover.



### Energy savings

Covrex® Solar Lite covers save a significant amount of energy and require fewer chemicals and less maintenance. Thanks to these savings, the investment is quickly profitable.

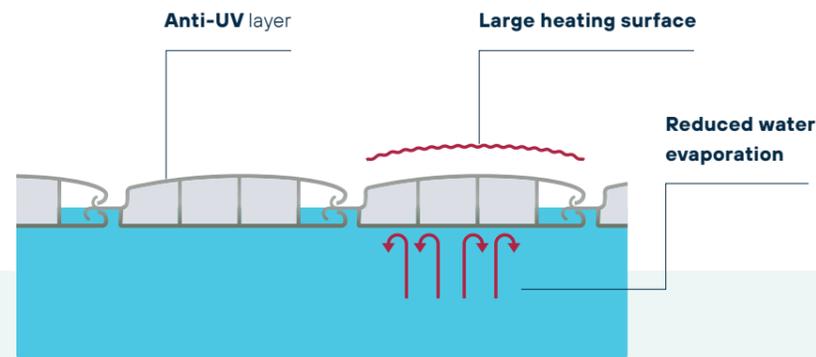
**Energy saving:** Equipped with a Covrex® Solar Lite cover, a swimming pool requires less heating.

### Water treatment product savings:

Covrex® Solar Lite slats prevent the build-up of dirt, algae and microorganisms in the pool. Treating the water therefore requires only a small quantity of chemicals (chlorine/pH/anti-algae). In addition, the opaque lower layer of the slats prevents photosynthesis as the sun's rays do not enter the pool.

### Cover maintenance product savings:

Covrex® Solar Lite slats are extremely durable and can be cleaned with a high-pressure jet.



## Available in three finishes



Solar Lite Smoke

This finish gives the pool a touch of warmth.



Solar Lite Pearly

This pearly grey finish reduces the visibility of condensation.



Solar Lite Blue

A traditional finish for polycarbonate solar slats, its blue colour blends perfectly with all swimming pools.







## Covrex® Lite

### PVC COVERS

The design of swimming pool covers centres around two main functions: to reduce water evaporation (and thus heat loss) and safety.

Initially, PVC slats were favoured for being easy to produce, stable and relatively durable.

Today, despite the market having evolved greatly and offering other types of products, PVC slats still have something to offer and retain a significant market share. That's why we created Covrex® Lite, a new range of PVC slats that offers a competitive alternative to insulate and secure your swimming pool. Covrex® Lite slats come in a variety of colours to best suit your surroundings. Covrex® Lite helps you make the most of your pool at a lower cost.

## Benefits of Covrex® Lite covers and their systems



### Insulation

A cover is one of the best solutions to insulate your pool and avoid evaporation and heat loss.



### Strength

Five independent honeycomb pockets strengthen Covrex® Lite slats, increasing their strength, durability and safety.



### Maintenance

Covrex® Lite slats prevent the growth of algae thanks to their streamlined sliding hinge.



### Safety

Covrex® Lite slats comply with French safety standards NF P90-308 for swimming pool covers. To further increase the safety of the installation, you can add safety hooks.



### Shape

Covrex® Lite slats adapt to any shape of swimming pool, including curved. They are custom-cut to match the shape of the pool as closely as possible.



### Space saving

Covrex® Lite slats are equipped with fixed end caps. There is also the option of adjustable (patented) end caps that provide greater flexibility in terms of the dimensions of the pool.

## Available in five colours



**Sand**  
RAL 9001



**White**  
RAL 5012



**Blue**  
RAL 7032



**Light Grey**  
RAL 7037



**Dark Grey**  
RAL 7037



Outstanding pool covers



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