SLATS FOR POOL COVERS

Slat comparison

The definitive guide to choosing the material for your pool cover

The slat material determines how much your pool warms up, how much light gets through and how the cover looks. We help you choose with confidence.

PVC	SOLAR POLYCARBONATE	CLEAR POLYCARBONATE

THE THREE OPTIONS AT A GLANCE

The element that defines your cover most

The slats are the visible, working part of the cover: they determine **light transmission**, **water heating**, **strength** and **appearance**. We manufacture in three materials, each designed for a different priority. This guide shows you how they differ so you can choose with certainty.

BUDGET OPTION

PVC Slat

The most widely used and most affordable. Lightweight, very strong and with excellent insulation. Opaque: it transmits no light, but it retains heat and reduces evaporation.

Priority	**Price and insulation**
Heats the water	**No (retains heat)**
Transparency	**Opaque**

HEATS THE WATER

Solar Polycarbonate

Multiwall (cellular) polycarbonate with a dark underside that captures the sun and transfers it to the water. It heats the pool naturally, with no energy consumption.

Priority	**Solar heating**
Heats the water	**Yes · up to +8 °C**
Transparency	**Semi-transparent**

MAXIMUM BRIGHTNESS

Clear Polycarbonate

Transparent polycarbonate that lets you see the water even with the cover closed. The premium option for looks and brightness, ideal for indoor pools.

Priority	**Looks and light**
Heats the water	**Partial**
Transparency	**Full**

Certified safety

All three materials comply with the **NF P 90-308** standard and take the weight of a person without sinking.

Guaranteed durability

The slats last **10 to 15 years**; the 316L structure, more than 15. Spare parts made in-house.

In-house manufacturing

We design, manufacture and install throughout Spain. Real samples of each material on request.

ANATOMY OF EACH SLAT: THE STRUCTURE MAKES THE DIFFERENCE

PVC · solid profile

No chambers. Insulates and retains the heat of the water.

Solar · multiwall with dark underside

The dark base captures the sun and heats the water.

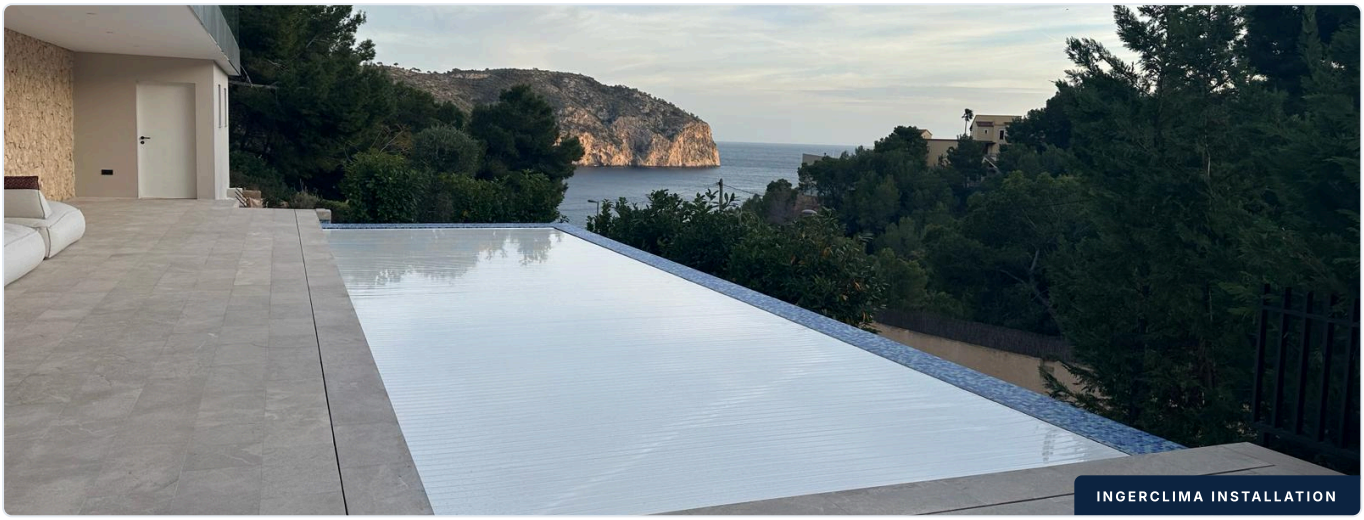
Clear · clear multiwall

Lets light through and keeps the water visible when closed.

MOST AFFORDABLE OPTION

01

PVC Slats


INGERCLIMA INSTALLATION

Made from **high-density PVC**, these are the most affordable and the most widely installed option. Lightweight, highly resistant to pool chemicals and needing minimal maintenance. They transmit no light to the water, but they are the ones that **insulate best**: they hold the heat built up during the day and slow evaporation, cutting the pool's energy costs.

Competitive price | Maximum insulation | Reduces evaporation | Long service life | Minimal maintenance

TECHNICAL DATA	
Material	**High-density PVC**
Structure	**Solid insulating profile**
Dimensions	**60 × 14 mm**
Light transmission	**Opaque**
Water heating	**None · insulates and retains**
Thermal insulation	**Very high**
UV resistance	**High**
Indicative price	**Budget**

ADVANTAGES

- The best strength · light weight · price ratio.
- The best insulation: reduces evaporation and retains heat.
- Limescale and dirt show far less than on the clear slats.
- Wide colour range to blend in with the surroundings.

POINTS TO CONSIDER

- It does not provide direct solar heating to the water.
- Opaque: the water is not visible with the cover closed.

AVAILABLE COLOURS

White · Sand · Light grey · Grey · Blue

IDEAL FOR General use and tighter budgets where insulation, safety and durability come first, with no need for solar gain.

HEATS THE WATER FOR FREE

02

Solar Polycarbonate

INGERCLIMA INSTALLATION

Polycarbonate with a **hollow multiwall structure** and a dark underside: it absorbs solar radiation and transfers it straight to the water, working as a **natural solar collector**. It can raise the water temperature by **up to 8 °C** with no energy consumption whatsoever. There is also a version with a **fourth dark anti-algae chamber** that reduces algae build-up at the joint between slats.

Solar heating | +8 °C in the water | Tri-extruded polycarbonate | Hail resistant | Dark anti-algae chamber

TECHNICAL DATA

Material	**Tri-extruded polycarbonate**
Structure	**Multiwall · 3–4 chambers**
Dimensions	**60 × 14–15 mm**
Water heating	**High · up to +8 °C**
Thermal insulation	**High (air chambers)**
Buoyancy (uplift)	**8.1–9.6 kg/m²**
UV / hail resistance	**Min. 10 years · Hail 4**
Indicative price	**Mid-range**

ADVANTAGES

- Heats the water with the sun, at no energy cost.
- Extends the swimming season by several weeks.
- Tri-extruded polycarbonate: resists impact, UV and hail.
- 4-chamber version with a dark anti-algae chamber.

POINTS TO CONSIDER

- Semi-transparent: the water is not as clearly visible as with the clear slat.
- Mid-range price, above PVC.

AVAILABLE SOLAR COLOURS

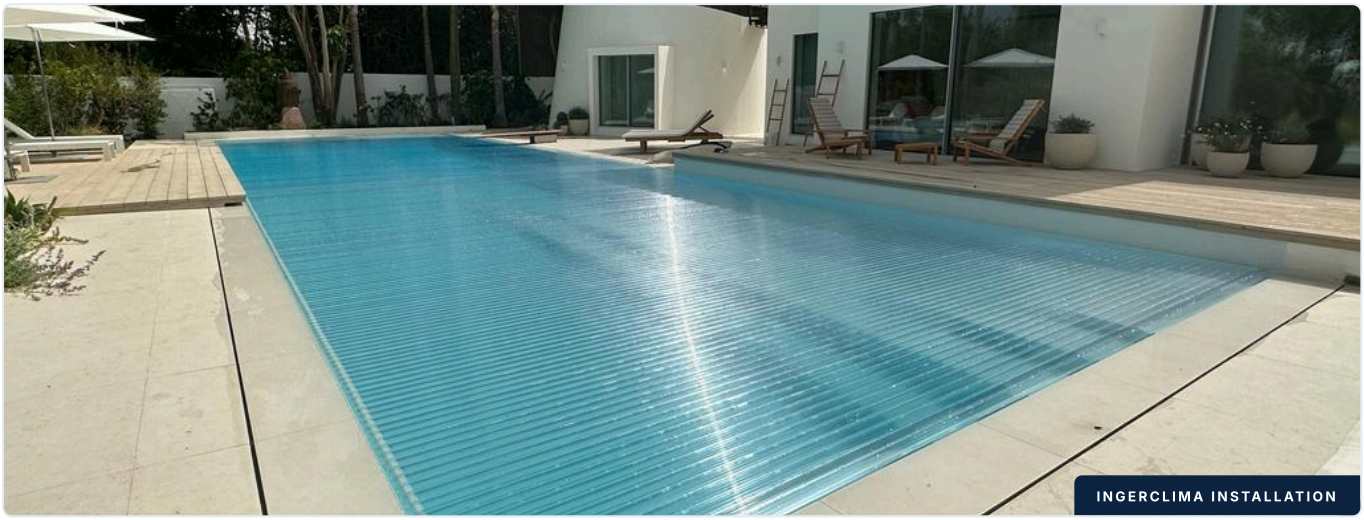
Blue · Royal Blue · Silver · Green · Smoke · Royal Black · Royal Grey

IDEAL FOR Anyone who wants to maximise solar heating and extend the swimming season using the sun, without increasing their pool heating bill.

MAXIMUM BRIGHTNESS

03

Clear Polycarbonate


INGERCLIMA INSTALLATION

The **premium option for looks**. Clear polycarbonate lets you **see the water even with the cover closed** and keeps the space bright, letting natural light through. It shares the toughness of tri-extruded polycarbonate (impact, UV and hail). Particularly recommended for **indoor pools** or design projects where the look of the water comes first.

100% transparent | Maximum brightness | See the water when closed | Ideal for indoor pools | Premium look

TECHNICAL DATA

Material	**Tri-extruded polycarbonate**
Structure	**Clear multiwall profile**
Dimensions	**60 × 14 mm**
Light transmission	**Maximum**
Water heating	**Medium**
Thermal insulation	**High (air chambers)**
UV / hail resistance	**Min. 10 years · resistant**
Indicative price	**Premium**

AVAILABLE FINISHES

Crystal · Platinum · Opal · Blue

ADVANTAGES

- Maximum light transmission: the pool stays visible and bright.
- The water is visible with the cover closed.
- Tri-extruded polycarbonate: resists impact, UV and hail.
- Crystal, platinum, opal and blue finishes.

POINTS TO CONSIDER

- It is the highest-priced option (premium).
- Limescale and dirt marks show more than on coloured slats.
- It is not optimised to heat the water the way the solar slat is.

IDEAL FOR Anyone who puts appearance and brightness first: indoor pools, design projects and clients who want to keep seeing the water with the cover on.

HEAD TO HEAD

The three slats, feature by feature

A complete overview so you can compare at a glance. Highlighted in blue, the material that stands out for each feature.

Feature	PVC BUDGET	Solar PC HEATS	Clear PC PREMIUM
Base material	High-density PVC	Tri-extruded polycarbonate	Tri-extruded polycarbonate
Profile structure	Solid, insulating	Multiwall · 3–4 chambers	Clear multiwall
Dimensions	60 × 14 mm	60 × 14–15 mm	60 × 14 mm
View of the water (closed)	Opaque	Partial	**Full** ✓
Light transmission	None	Medium	**Maximum** ✓
Water heating	Low	**High · +8 °C** ✓	Medium
Thermal insulation	**Very high** ✓	High	High
Impact resistance	High	**Very high** ✓	**Very high** ✓
UV / hail resistance	High	**Maximum** ✓	**Maximum** ✓
Anti-algae properties	—	**Yes (4 chambers)** ✓	—
Maintenance	**Minimal** ✓	Low	Low*
Colours / finishes	5 colours	7 solar colours	4 finishes
Indicative price	**Budget** ✓	Mid-range	Premium
Ideal for	General use and savings	Heating the water	Looks and indoor pools

* Clear polycarbonate shows limescale and dirt marks more readily, so it needs slightly more frequent cleaning to keep looking its best. All slats comply with the NF P 90-308 safety standard.

QUICK DECISION

Choose according to your priority

No material is “best” in absolute terms: the choice depends on what you value most. This guide sums up the recommendation in three questions.

Are you looking for the best value for money?
You want a strong, safe cover with good insulation, with no need to heat the water using the sun.

YOUR OPTION
PVC

Do you want to heat the water and save on pool heating?
Your priority is using the sun to raise the water temperature and extend the season at no energy cost.

YOUR OPTION
Solar

Do you value looks and brightness above all else?
You want to keep seeing the water with the cover closed and maximum natural light, especially in indoor pools.

YOUR OPTION
Clear

Still not sure? We advise you with no obligation

We send you real samples of each material and help you choose the colour and finish that best match your pool and your garden.

PHONE
+34 91 631 59 40

EMAIL
info@ingerclima.com

WEB
www.ingerclima.com

- **Full warranty on cover and slats**
- **In-house technical service**
- **Manufacturing and installation throughout Spain**

Ingerclima Proyectos e Instalaciones SL · Manufacturers of automatic pool covers since 2005 · Torrijos (Toledo) and Marbella (Málaga) · Installation throughout Spain, islands included.