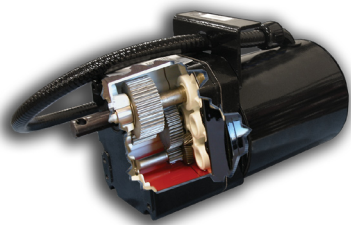


Engineered Reliable.

The Eclipse™ automatic safety cover has been engineered over many years to dramatically reduce on-site service and increase your peace of mind. Not all safety covers are the same. Compare these reliability features with others in the industry:



Motor

The motor's hardened stainless steel shaft and oil bathed gears eliminate motor problems. It's also water sealed and potted by the original motor manufacturer and can operate even when completely submersed.

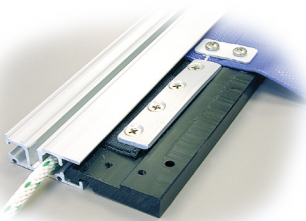
- ▶ Other less reliable means of water protection could mean an expensive motor repair.



Stainless Steel Pulleys

2" stainless steel, double row, rope pulleys provide five times the load bearing capacity of commonly used pulleys for uncommonly long life; reduces strain on the roll-up mechanism, and greatly reduces rope wear.

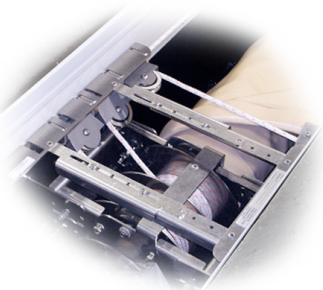
- ▶ Standard 1" pulleys wear out more easily, causing ropes to break, uneven operation and faster rope wear.



Guides & Sliders

Heavy duty sliders are the strongest in the industry. An extra slide channel prevents binding and stress that wears on the mechanism.

- ▶ Sliders without these features can bind in the guides, causing jerky motion of the cover in operation and causing early failure.



Stainless Steel Mechanism

The stainless steel mechanism frame stands up to the harsh pool environment where water and pool chemicals can cause corrosion.

- ▶ Other cover system mechanism frames are made of materials that corrode and may create service problems.

Slider Wheel Assembly

The hybrid design wheel assembly (Topguide) reduces stress by rolling on top of the guide. Sliders attached to the roller assembly provide accurate and smooth tracking from end to end.

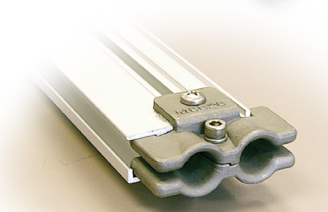
- ▶ Other wheel assembly designs can jam and create enough stress to break system components or tear the corners of the fabric.



Stainless Steel Guide Feed

The guide feed on the end of the cover guides prevent the ropes from snagging and tearing the cover. Because they are made from stainless steel, they last forever.

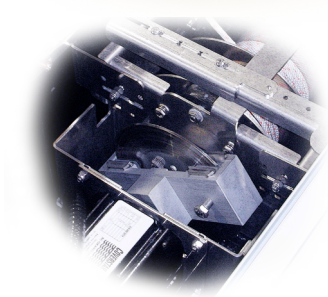
- ▶ Other systems use plastic guide feeds that can wear out quickly and require a service call to replace.



Adjustable Torque Limiter

A mechanical torque limiter protects the motorized mechanism from too much stress. The disc brake design is reliable and easy to adjust if needed.

- ▶ Other automatic covers often use an electronic torque limiter that can fail in the harsh pool environment.



Rope

Incredibly strong proprietary high tech, non-stretch, non-shrink 4,000 lb. break strength rope eliminates most broken ropes.

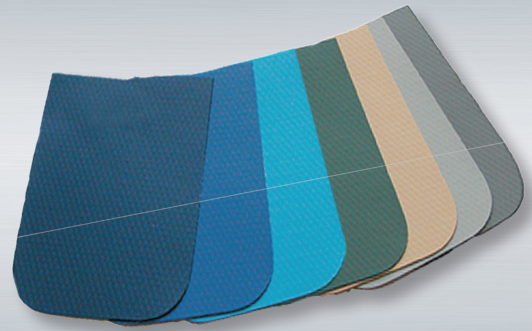
- ▶ Standard ropes cannot hold up to this application.



Coverstar
ECLIPSE™
Automatic Safety Cover

Durability covered.

UltraGard III™ Fabric is incredibly strong and durable. An advanced vinyl formulation and superior fabrication methods make it top of the line. No other automatic safety cover manufacturer offers these exclusive features.

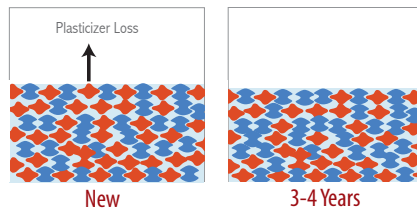


UltraGard III™ Safety Fabric

The UltraGard III™ fabric is the most technically advanced material made for automatic safety pool covers today. The heavy duty vinyl and polyester fabric with advanced formula, long-chain molecule plasticizers (LCMP), stay in place longer, providing enhanced durability in the pool environment. When you want the maximum fabric life possible, UltraGard III™ safety cover material is the obvious choice.

UltraGard III™ Safety Fabric w/ LCMP

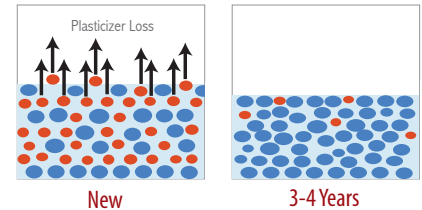
Graphic Representation



An advanced formulation of vinyl using a long-chain molecule plasticizer (LCMP represented by red dots) contributes to a long, useful life of the cover by retaining the flexibility of the material, which in turn helps prevent cracking and leaking.

Standard Vinyl Covers

Graphic Representation



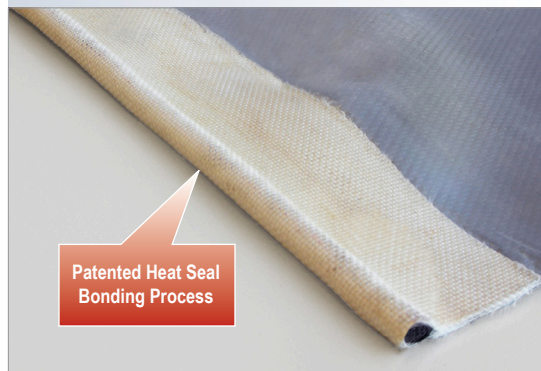
Standard vinyl cover fabric uses plasticizer molecules (plasticizer represented by red dots) that migrate out of the cover because they are less intertwined with vinyl molecules, which in turn stiffens the material making it more vulnerable to cracking and leaking.

Heat Sealed Webbing

Most automatic safety pool cover manufacturers wrap webbing material around rope and sew it to the cover. With this attachment method the webbings often fail before the fabric does. (see photo, far right). To solve this problem we invented and patented a process whereby the rope is replaced with a flexible polymer bead and the webbing is heat seal bonded to the cover fabric in one step. This patented process is a substantial improvement over the common webbing attachment method and provides substantially longer webbing life and improved operation of the cover.

Webbing Wear Comparison

Heat Sealed Webbing



Sewn Webbing



- ◆ In a special patented process, the cover webbing is heat sealed around a polymer bead and welded to the cover fabric in one step. This process melts the webbing, polymer bead and cover into one piece. High denier material and the bonding process make this heat sealed webbing up to **15 times stronger** than a standard sewn webbing.
- ◆ Because the polymer bead is fused to the webbing, it does not stretch and pucker like a sewn webbing with wear points that shorten webbing life (see photo at right).
- ◆ Color matched webbings are an aesthetically pleasing option and are even longer lasting than white webbing due to the addition of UV colored coatings.

- ◆ A standard sewn webbing is wrapped around rope and then webbing is sewn closely to the rope and the cover. Over time, because the rope is not bonded to the webbing, it moves back and forth in its sleeve which creates puckering when the cover is retracted onto the roll-up tube. Over time, these puckers wear against the aluminum tracks and wear out the webbing fabric (see above).
- ◆ Pucker points can catch as they feed into the tracks causing cover system lurching, webbing tearing, and stress on the roll-up mechanism.
- ◆ White webbings have little UV protection and can degrade more quickly than the cover fabric.

