Poolsafe Automated Pool Covers

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Poolsafe® Automated Pool CoversABOUT POOLSAFE®POOLSAFE's first pool cover was installed in 2000 and is still going strong. After initially importing complete pool cover systems from Europe, POOLSAFE has over the years developed its own systems and technology and is now manufacturing covers locally in South Africa, thereby reducing the cost significantly. The highly specialised submersible tubular motors are still imported, as are the complex Polycarbonate and Covrex slats.POOLSAFE's aim is to become the leading automated pool cover manufacturer and supplier in Southern Africa by producing a cutting-edge product of high quality and reliability combined with the best service in our industry.AUTOMATED SWIMMING POOL COVERS FOR SAFETY AND TEMPERATURE CONTROL.Child and pet proof, less water maintenance, reduction in water and heat loss.Child and Pet ProofPOOLSAFE® covers provide peace of mind when children or pets are present by being able to support the weight of a youngster and pets, thus preventing potential accidents.Reduction in Water and Heat LossSwimming pools lose their heat during the night by radiation. During the day evaporation, further enhanced by wind, causes further cooling of the water. POOLSAFE® covers counteract these effects by virtually eliminating evaporation as well as providing an insulated

cover.Less Water MaintenanceAlgae growth requires sunlight which is blocked out by the POOLSAFE® cover. Therefore, fewer chemicals are required to keep the water crystal-clear.Reduction In Indoor HumidityIndoor pools create a substantial amount of humidity which requires the use of costly de-humidifiers. These are made redundant by POOLSAFE® covers.POOL COVER OPTIONSINSTALLATION OPTIONSBuilt-in top access installationThis option is mostly used when pools are being newly constructed. During the pool design stages, allowance is made for a below ground chamber into which the cover can roll. This leads to a neat and concealed detail.These chambers can also be added to existing pools but it is rather complex, as the chamber needs to form part of the pool because it also needs to be filled with water.Built-in water access installationThis option is generally used on pools being newly built where it is impossible to create a top access panel into the pool cover chamber. This would be the case where heavy tiles are being used around the pool and having a removable access hatch from the top would prove impractical. The water access built-in option has a vertical removable access panel from the water side consisting of a stainless-steel frame covered by a PVC panel which can be tiled or fibre-glassed to match the pool. It is strong enough to be kicked against when swimming lengths in a pool.Martini seat installationThis option can be used for existing pools or for pools being newly built. It is a built-in option where the cover retracts into a wet chamber which can double up as a martini seat. The chamber (enclosure) is constructed out of a stainless steel sub-frame which is clad in thick PVC panelling. This in turn can be finished to match the remaining pool finish. The vertical wall can either be part of the enclosure or it can be built as part of the pool construction. The horizontal panel is removable forAbove ground installationThis option is generally used for existing pools. The cover rolls onto a shaft which is housed in a roll-up station positioned above ground on one end of the pool. These roll-up stations are constructed strong enough to be used as benches, tables, tanning decks, etc. In most cases they are clad in exterior timber decking, but other finishes are also available, for example tiles, cement board, etc.SLAT MATERIALPVC ProfilesThis option is the most cost effective. The PVC profiles are imported from Europe and represent the best quality product available in the

market. The material is expected to last about 15 years or possibly longer, depending on the amount of exposure to the sun and harsh chemicals.Colours: light grey, white, sand, light blue, dark bluePolycarbonate ProfilesNon Solar: this option is significantly more costly than the PVC slats. This material has a superior finish, is aesthetically more pleasing and is expected to last longer for approximately 20 years.Colours: clear transparent, blue transparentSolar: the solar option of this material actually heats up the pool and replaces roof-mounted solar heating systems and / or heat pumps.Colours: clear solar, blue solar, green solarCovrex ProfilesThis option is the most expensive. The slats are fully foam filled and thereby significantly stronger. They do not require any end-caps and can hence be shaped to suit any curved pool edge seamlessly.Colours: cream white, steel grey, silex grey, sky blueAUTOMATIONThe automation of POOLSAFE® covers is achieved by the use of tubular motors that are housed inside the shafts onto which the covers roll. The motors are custom manufactured for POOLSAFE® to the highest standards. They run off 24V DC for safety reasons. The motors are connected to a control box which includes the transformer as well as a PLC for programmable limits. These control boxes are locally manufactured out of robust components in order to accommodate an unreliable and fluctuating power supply.POOLSAFE® covers can be operated by remote control, wall mounted switch, key switch, integrated to home automation, or any combination of the above.Cover OperationSlatted pool covers float on the water surface and hence do not require any tracks in which to run. The slats consist of hollow profiles that are hermetically sealed on either end. The buoyancy of a cover is sufficient to support the weight of a toddler. However, we always recommend designing a side recess into newly constructed pools at water level in which the cover floats. For existing pools we recommend fitting a stainless steel handrail just below the water level. With these additional supports in place, the cover can then support heavier weights, including an average size adult.DesignPOOLSAFE® assists with all aspects concerning the design of the pool to integrate a pool cover. We have CAD facilities which enable us to professionally interact with architects, project managers, building contractors and of course the end clients themselves.

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