

HEATSAVR IS BEST THING SINCE SLICED BREAD



ABOVE: WREXHAM WATERWORLD HAS BEEN USING THE HEATSAVR LIQUID POOL COVER SINCE 2007 WITH TYPICAL SAVINGS UPWARDS OF £22,000 ANNUALLY.

With more than one million visitors every year and 850m² of water space, Wrexham Waterworld, in North Wales, was struggling to cut costs and improve energy efficiency, not to mention their carbon footprint.

That was until they installed the Heatsavr liquid pool cover, recently shortlisted in the Sustainability Live 2013 Environment and Energy Awards.

Since introducing the Heatsavr system in 2007, a combination of effects has helped cut running costs at Wrexham by more than £22,000 annually.

“As far as we are concerned the benefits of using Heatsavr have greatly exceeded our initial expectations – it really is the best thing since sliced bread,” says Greg Ryan, Wrexham’s Pool Manager.

REDUCED HUMIDITY

Greg confirmed humidity levels can be maintained at around 45%, 24 hours a day. This means that Wrexham save on both dehumidification and fan usage. Now the humidity is being controlled, general pool maintenance is also greatly reduced as mould removal and corrosion is a thing of the past.

Greg told us: “The main air handling unit used to run 24/7, but we now turn the unit off overnight between 2200 and 0500, saving 60kw.

“We have also taken the unorthodox approach of reducing the pool hall air temperature by 2 degrees during operational hours and still maintain highly acceptable humidity levels.”

Greg has calculated the total energy saving over a 12 month period adds up to 2,555 hours x 60kwh = 153,300kwh. At an

average cost of 0.0847p per kwh, this equates to a considerable £12,985 saving in energy expenditure.

Greg has meters on the pool fresh water top up and has calculated that since the installation, he is using an average of 1000m³ less water per annum, which at £2.60 per m³, equates to a saving of £2,600.

Greg found that by using a system called Eco-Warrior, he was able to turn off the water and air heating on the traditional boilers at night and still maintain waste heat through this CHP unit.

Again, Greg monitored his energy usage and calculated a monthly saving, due to reduced usage of £578 per month, equivalent to £6936 per annum.

DECK LEVEL

Greg was initially sceptical about Heatsavr working on a deck level pool as the water continually laps over the sides. His concerns proved unfounded as the Heatsavr particles pass easily through the filtration system and return to the pool where they rapidly rise to the surface and regroup with the remaining molecular layer.

Apart from changing the peristaltic tube once a year, the maintenance on the Heatsavr is non-existent. Add to the equation, the recent advice from PWTAG, that pool covers should be cleaned on a regular basis and it is no wonder the Heatsavr liquid pool cover is claiming its rightful place as the most sustainable method of energy efficiency for all pools, not just busy pools like Wrexham.

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