



# 5mm Supercover

## Heat Retention Pool Cover



Now available in  
**GREY**



**ECO**  
Friendly

- **Reduces costs - saves money**  
Seals the pool water surface to minimise heat loss through evaporation, water loss and use of water treatment products.
- **Tough heat retention cover**  
Manufactured from a highly efficient foam centre layer with a strong polyethylene coated woven top sheet with embossed and sealed underside.
- **Domestic and Commercial**  
All Plastica heat retention covers are welded lengthways and are hemmed on all exposed edges for greater strength.
- **UV stabilised**  
The material is formulated to be compatible with use on heated outdoor pools where solar gain is not required.

 **Plastica**  
COMMERCIAL

The UK's Leading Independent Swimming Pool Manufacturer and Distributor

# Over 90% of a pool's heat is lost through its water surface

Supercover is a tough thermal insulation cover suitable for use on indoor, outdoor, domestic and commercial pools. It is manufactured from three layers bonded together for unrivalled strength and durability.

Constructed from thick polyethylene closed cell foam, with a woven coated blue polyethylene top surface which is UV stabilised and wear resistant. The underside of the cover has a thin embossed layer of clear polyolefin, which has been designed to give good drainage and rolling characteristics as the cover is wound off the pool. The reinforced hemming around the perimeter edge prevents wear against the pool sides and makes for an attractive finish.

Regardless of pool size, Supercover saves on heating costs and reduces chemical usage that would otherwise be lost through evaporation. It is proven that pool owners can save up to 23% on energy bills with a heat retention cover (figures based on actual independent live trials). Typical payback on our customers' systems is up to 2 years. The Supercover is for use up to 30°C water temperature and 35°C ambient air temperature.



## Proportional Heat Loss Chart

TYPE OF HEAT LOSS	AMOUNT IN % OF OVERALL	HEAT SAVED with 400 GRADE SOLAR COVER	HEAT SAVED with SUPERCOVER	HEAT SAVED with PREMIUM COVER
<b>EVAPORATION</b> From Pool Surface	68%	95%	95%	95%
<b>RADIATION</b> From Pool Surface	14%	78%	81%	85%
<b>CONVECTION</b> From Pool Surface	17%	60%	65%	73%
<b>CONDUCTION</b> Through Pool Shell	1%	0%	0%	0%
<b>TOTAL</b>	<b>100%</b>	<b>86%</b>	<b>87%</b>	<b>89%</b>

Main figures and heat loss percentages from the Sports Council Energy Data Sheet. The comparisons shown are made using 27°C water temperature working against 21°C ambient temperature, 60% R.H. and 5 mph wind speed. A transmittance value of 0.14 W/m<sup>2</sup>.K has been allowed for on all covers for Surface Effect.

- 400 Grade Solar Cover with a U value of 4.22 w/sq.m.°C **saving 86% of potential heat loss.**
- 5mm thick heat retention Supercover with a U value of 3.68 w/sq.m.°C **saving 87% of heat loss.**
- 8mm thick Premium cover with a U value of 2.85 w/sq.m.°C **saving 89% of heat loss.**
- 5.00°C heat loss in 5 hours with no cover.
- 0.65°C heat loss in 5 hours with a Supercover.

### GENERAL STATEMENTS (FROM GOVERNMENT FIGURES)

- Approximate savings of 23% can be estimated for heating on pool as above conditions
- Payback periods have been shown to be between 6 months and two years for complete system



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