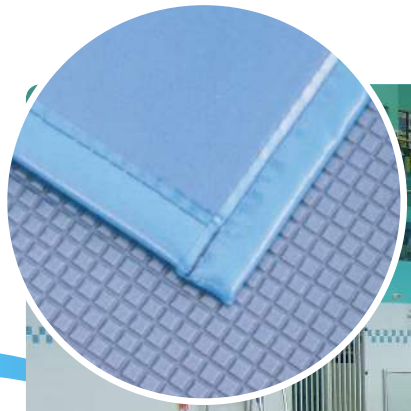
Supercover

Heat retention pool cover



- **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 & 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.

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Supercover

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 polyethylene, 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 (12m x 25m pool at 2011 prices). Payback periods have been shown to be between 6 months and two years for complete systems. The Supercover is for use up to 29°C water temperature and 35°C ambient air temperature.

Plastica also supply a range of optional extras for Supercovers from leading edges, for guiding the cover onto the pool, to commercial and domestic reel systems, manual or automatic. Please ask your supplier for details.

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
EVAPORATION From Pool Surface	68%	95%	*95%*	95%
RADIATION From Pool Surface	14%	78%	*81%*	85%
CONVECTION From Pool Surface	17%	60%	*65%*	73%
CONDUCTION Through Pool Shell	1%	0%	*0%*	0%
TOTAL	**100%**	**86%**	***87%***	**89%**

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/m².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 22% 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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