

TECHNICAL INFORMATION

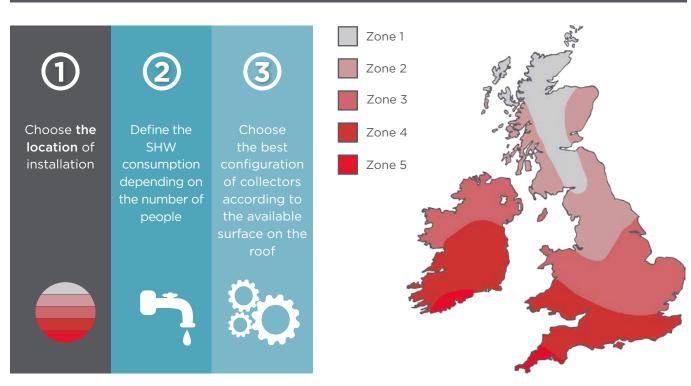




THERMOSLATE®, the only solar system in the market made with natural slate that **generates energy for heating** sanitary hot water and swimming pool.

Our installations with solar collectors **THERMO**SLATE®, are characterized by the **ability to adapt** to the needs of each location and roof.

DEFINE YOUR SUITABLE INSTALLATION. THERMOSLATE® IN 3 STEPS



	Number of people	Number of bedrooms	Solar cylinder volume	Average solar contribution	Possible configuration THERMOSLATE®
ZONA I - IV	ŤŤ	2	200 L	55 %	0
	ŤŤŧŧ	3, 4	300 L	50 %	0
	ŤŤŧŧŧ	4, 5	400 L	55 %	0
ZONAV	ŤŤ	2	200 L	60 %	
	ŤŤŤŤ	3, 4	300 L	55 %	
	ŤŤŧŧŧ	4, 5	400 L	55 %	0

^{*} Estimated figures for 50L per day and per person. South orientation \pm 20° and inclination 30° \pm 10°.

^{*} These data may vary depending on the orientation and inclination.



Full integration into facades and pitched roofs over 20°



The best solution for Solar Thermal installations in homes and emblematic buildings

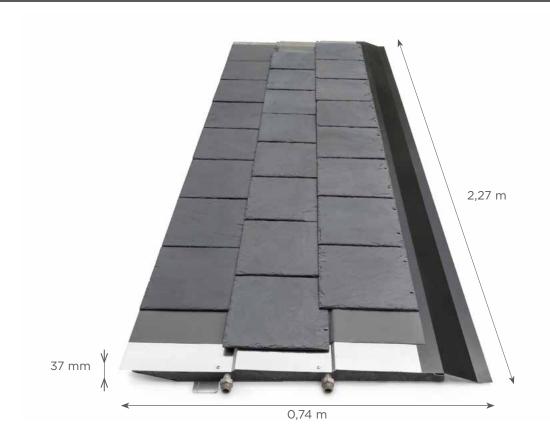


Compatible with all existing storage systems, control and distribution



According to the standards requirements in all climate zones

A THERMOSLATE® SOLUTION FOR EACH NECESSITY



THERMOSLATE® SOLAR PANEL MODEL				
Characteristics	THS.3222.S07			
SLATE FORMAT (cm)	50x25			
OVERLAP (cm)	10			
EXTERNAL DIMENSIONS	2267x743x37			
TOTAL AREA (m²)	1,45			
TOTAL CATCHMENT AREA (m²)	1,36			



CONNECTION AND WATERPROOFING KIT

EVERYTHING YOU NEED TO INSTALL THERMOSLATE®



Specific **kits** for **THERMO**SLATE®





CONNECTIONS
BETWEEN PANELS
WITH RETAINING
CLIPS



SIDE WATERPROOF **FLASHINGS** (RIGHT)



FLEXIBLE HOSE CONNECTION FOR THE INSTALLATION



SIDE WATERPROOF FLASHINGS (LEFT)



NUTS, WASHERS AND REDUCERS



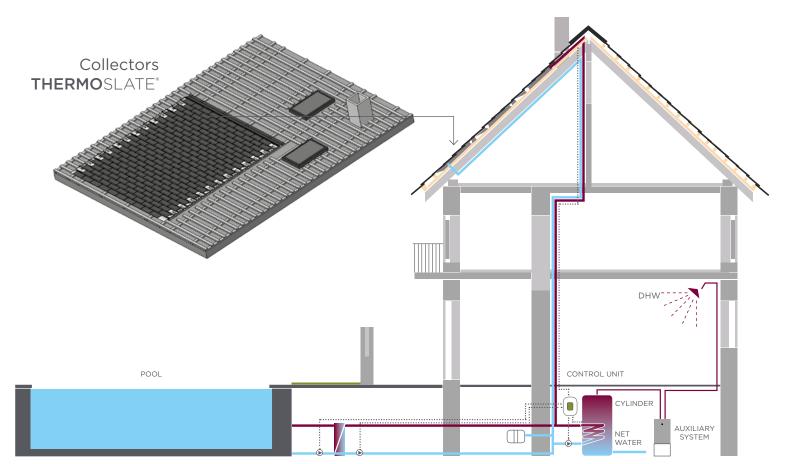
WATERPROOFING COMPONENTS BETWEEN PANELS



thermostate CASE study

PROJECT DESCRIPTION

FAMILY BUILDING. 5 PEOPLE.					
THERMOSLATE*	7 x THS.5025.S10 (1,36 m²) solar collectors				
Under die envisere ent	1 x Solar cylinder 400 L				
Hydraulic equipment	1 x Connection kit 8-10				
	1x Bottom integration frame				
Accessories	1 x Top integration frame				
	1 x Waterproofing kit				





thermostate CASE STUDY

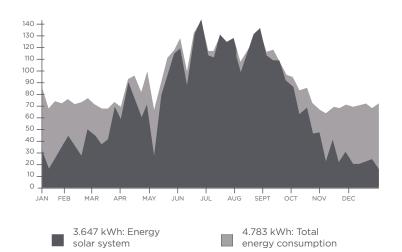
PERFORMANCE AND SAVINGS

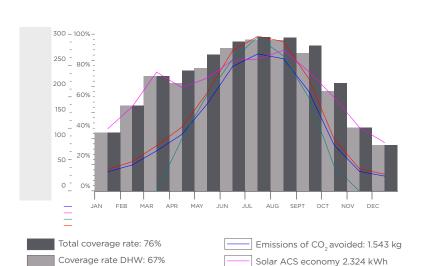












Domestic diesel economy EL 580 I Solar pool economy 1.318 kWh



EFFICIENCY

GREEN ENERGY FOR EVERY PROJECT







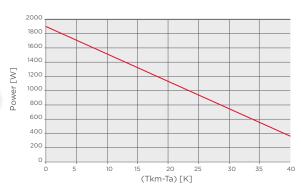








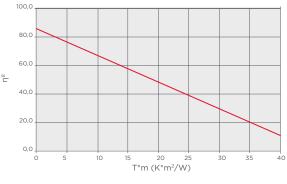




The yield graph can be calculated using the following formula:

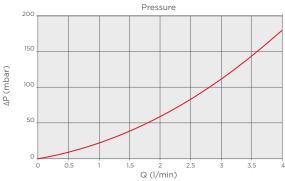
 $\eta_{\circ} = 0.861$ a₁= 13,552 a₂= 0,054 $(W/(m^2k))$ $(W/(m^2k))$





A THERMOSLATE* installation with 5 panels generates an average of 4000W which is enough to cover the requirements of a tipical 4 person household whatever the climate zone.





The pressure loss of the panel at 3L/min and 25° is 130mbar/25KPa. Please consult the graph for pressure losses up to 4L/min.





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