




TESTS SUMMARY

CONSTRUCTION MODE									Location	Climate	RESULTS				
Type	Internal volume (approx. m ³)	Number of cells	Photo	Isolation type	Interior finish	Water vapor barrier (type)	Under tile liner (type)	Test Period			Target temperature	Consumption (kWh)	Economy / non insulated building	Economy multifoil/mineral wool	
SFIRMM	Wood chalet	23	3		1 without insulation	Plasterboard	No	No	Limoux (France)	Temperate / Méditerranéen	16/12/2006 to 15/03/2007	23°C	2825	ref.	28,4%
					1 mineral wool 200 mm		Included					23°C	930	67%	
					1 multifoil		No					23°C	666	76%	
TRADA	Wood chalet	28	2		1 mineral wool 200 mm	Plasterboard	Additional (PE 120µm)	Yes (HPV)	High Wycombe (UK) + Limoux (France) + 23 UK sites for simulations	Temperate	27/02/2006 to 01/04/2006	23°C	Test results on 2 sites + mathematical modelling on 23 sites were used to determine the economy energy due to multifoil in comparison with 200 mm of mineral wool	/	5,0%
					1 TS10		No					23°C			
IBP	concrete block structure	~ 146	2		1 mineral wool 200 mm	Plasterboard	Additional (PE 120µm)	Yes (HPV)	Holtzkirchen (G)	Continental	26/01/2007 to 02/03/2007	21°C	747,7	/	-0,2%
					1 multifoil		No					23°C	749,5		