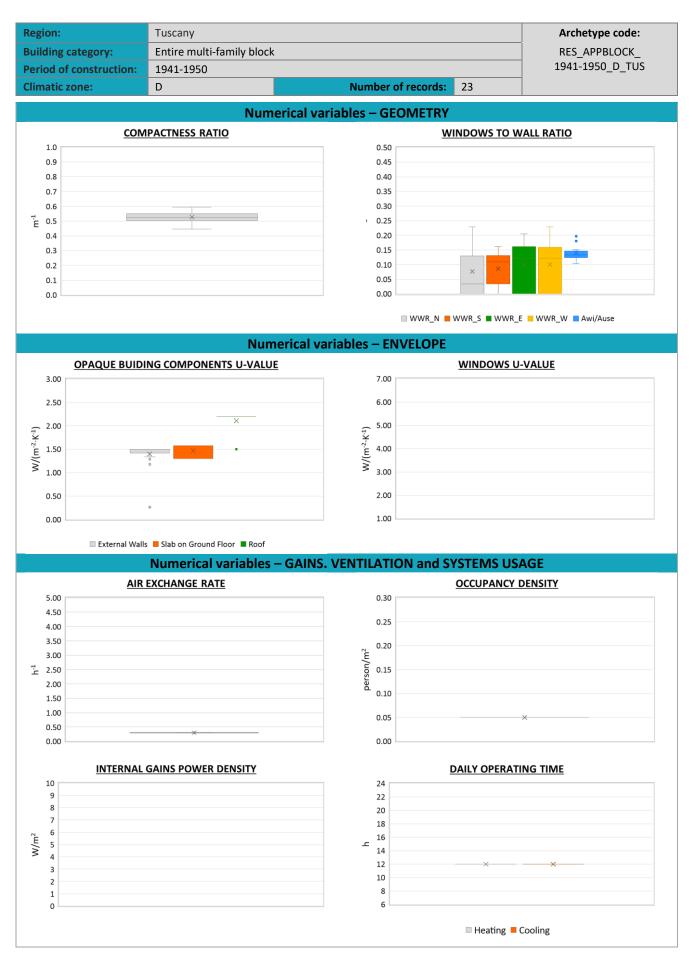


Region:		Tuscany		Archetype code:						
Building category: Entire		Entire multi-	-family blocl	k				RES_APPBLOCK_		
		1941-1950						1941-195	50_D_TUS	
Climatic zone: D				Number	of records:	23				
External walls: plaster (2 cm) - mixed b			Ils and slabs refer to the structures described in UNI/TR 11552:2014): rick and stone (40 cm) - plaster (2 cm) (cod. MCO01). ams and hollow brick tiles (6 cm) (cod)					Data sources: Visual inspection (39%) National database (15%) Standards (15%) Others (31%) #		
	Data		Symbol	Unit of measure	Mean value	Standard deviation	Q1 (first quartile)	Median value	Q3 (third quartile)	
	Number of floo	rs	nf	-	3.30	0.55	3.00	3.00	3.50	
	Gross height		Hg	m	11.21	1.80	10.20	10.20	11.90	
	Footprint area		A _{footprint}	m²	314.57	114.86	207.55	301.40	361.20	
~	Heated gross floor area		A _{H;g}	m²	999.98	478.05	656.37	896.40	1100.16	
TRV	Heated net floor area		A _{H;n}	m²	852.18	410.37	560.47	765.44	939.43	
W	Heated gross volume		V _{H;g}	m ³	3390.01	1606.69	2231.66	3047.76	3740.54	
3EO	Heated net volume		V _{H;n}	m ³	2559.01	1228.55	1681.42	2296.31	2818.28	
BUILDING GEOMETRY	Compactness ratio		A _{env} /V _{H;g}	m-1	0.53	0.04	0.50	0.52	0.55	
<u> </u>	WWR – North orientation		WWR _N	-	0.08	0.08	0.00	0.03	0.13	
In	WWR – South orientation		WWRs	-	0.09	0.06	0.03	0.11	0.13	
	WWR – East orientation		WWR _E	-	0.10	0.07	0.00	0.12	0.16	
	WWR – West orientation		WWR _w	-	0.10	0.08	0.00	0.12	0.16	
	Window to use area ratio	ful floor	A _{wi} /A _{use}	-	0.14	0.02	0.12	0.13	0.15	
	Roof type	Reinforced brick-concrete slab: 100%.								
	U-value of the r	oof	U _{fl;up}	W/(m²⋅K)	2.11	0.24	2.20	2.20	2.20	
	External walls t									
ENVELOPE	U-value of the v	vall	U _{wl}	W/(m²⋅K)	1.40	0.26	1.42	1.50	1.50	
/EL	Slab on ground			Ventilat	ed crawl space	: 61%; Reinfor	ced brick-concr	ete slab: 39%.		
EN	U-value of the f	loor	U _{fl;lw}	W/(m²⋅K)	1.47	0.13	1.30	1.58	1.58	
	Windows type					Unknown: 1	00%			
	U-value of the v	vindows	Uw	W/(m²⋅K)	-	-	-	-	-	
	Shading system	type	Roller blinds: 52%; Shutter: 48%							
PC	Occupancy den		Oc person/m² UNI EN 16798-1 - Table A.19							
and VTIO	Lighting power	density *	WL	W/m ²						
	Equipment pow		WA W/m² UNI EN 16798-1 - A.8.3							
GAINS and VENTILATIC	Type of ventilat					Natural: 10				
_	Air exchange ra		n	h⁻¹	0.30	0.00	0.30	0.30	0.30	
	Heating system		Autonomous: 100%							
	Heating genera				Boile	er (unknown ty	vpe): 100%.			
	heating system	Daily operating time of the heating system *		h	12.00	0.00	12.00	12.00	12.00	
VIS	Energy carrier		Natural gas: 100%.							
THERMAL SYSTEMS	Heating emissic system		Unknown: 100%							
	Cooling system			A	bsent: 55%; Ur	1known: 30%; /	Air-cooled chille	er: 15%.	1	
	Daily operating cooling system		t _C	h	12.00	0.00	12.00	12.00	12.00	
	Cooling emissio system	n sub-	Multisplit: 100%							
	DHW system ty	ре		Autonomous, coupled with heating: 100%.						
	DHW generator									
		* Measured data (13%), Local database (8%), Other (6%), Standards (4%). * These values were not available in the considered sources, and are thus derived from UNI EN Standards								







Region:	Tuscany	Archetype code: RES_APPBLOCK_		
Building category:	Entire multi-family block			
Period of construction:	1941-1950			1941-1950_D_TUS
Climatic zone:	D	Number of records:	23	

			ADDITIONA	L DATA				
	Data	Symbol	Unit of measure	Mean value	Standard deviation	Q1 (first quartile)	Median value	Q3 (third quartile)
GEOMETRY: apartments	Inter-storey height	H _n	m	-	-	-	-	-
	Heated gross floor area	A _{H;g}	m ²	-	-	-	-	-
	Heated net floor area	A _{H;n}	m ²	-	-	-	-	-
	Heated gross volume	V _{H;g}	m ³	-	-	-	-	-
	Heated net volume	V _{H;n}	m ³	-	-	-	-	-
THERMAL SYSTEMS	Heating efficiency or COP	$\eta_{ m H;gen}$ or $COP_{ m H;gen}$	-	This value has to be retrieved from suitable datasheets				
	Total heating power *	P _{H;gen}	kW	-	-	-	-	-
	Cooling efficiency or EER	η _{C;gen} or EER _{C;gen}	-	This value has to be retrieved from suitable datasheets				
	Total cooling power *	P _{C;gen}	kW	-	-	-	-	-
	Temperature of DHW	θ_{W}	°C	40.00	0.00	40.00	40.00	40.00
	DHW system power *	P _{W;gen}	kW	-	-	-	-	-
	* These values refer to the apartment scale							

