

## ENERGY PERFORMANCE CERTIFICATE

## Property: Residential Building

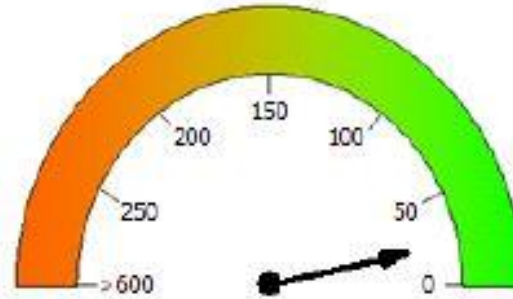
1. GENERAL INFORMATION			
Certificate code	APE-001	Validity	10 years
Cadastral references	Folio XXX plot XXX sub XXX , Tortoreto		
Address	Via Garibaldi n° XX, Tortoreto (TE) 64010		
New build	V	Transfer of ownership	O
		Energetic requalification	O
Property	Mr ROSSI	Telephone	XXXXXXXXXXXX
Address	Piazza del Popolo n° XX, Roma (RM) 00100	E-mail	xxxx@virgilio.it

2. OVERALL ENERGY RATING OF BUILDING

**A+**

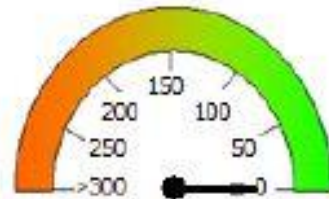
**EMISSIONI DI CO2**  
2.79 [kgCO<sub>2</sub>/m<sup>2</sup> anno]

**PRESTAZIONE ENERGETICA RAGGIUNGIBILE**  
0 [kWh/m<sup>2</sup> anno]

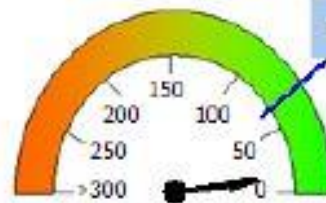


**PRESTAZIONE ENERGETICA GLOBALE**  
21.597 [kWh/m<sup>2</sup> anno]

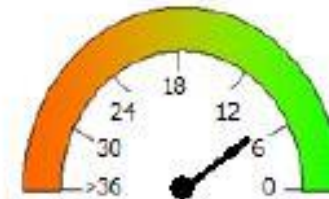
LIMITI DI LEGGE



**PRESTAZIONE RAFFRESCAMENTO**  
0 [kWh/m<sup>2</sup> anno]



**PRESTAZIONE RISCALDAMENTO**  
14.011 [kWh/m<sup>2</sup> anno]



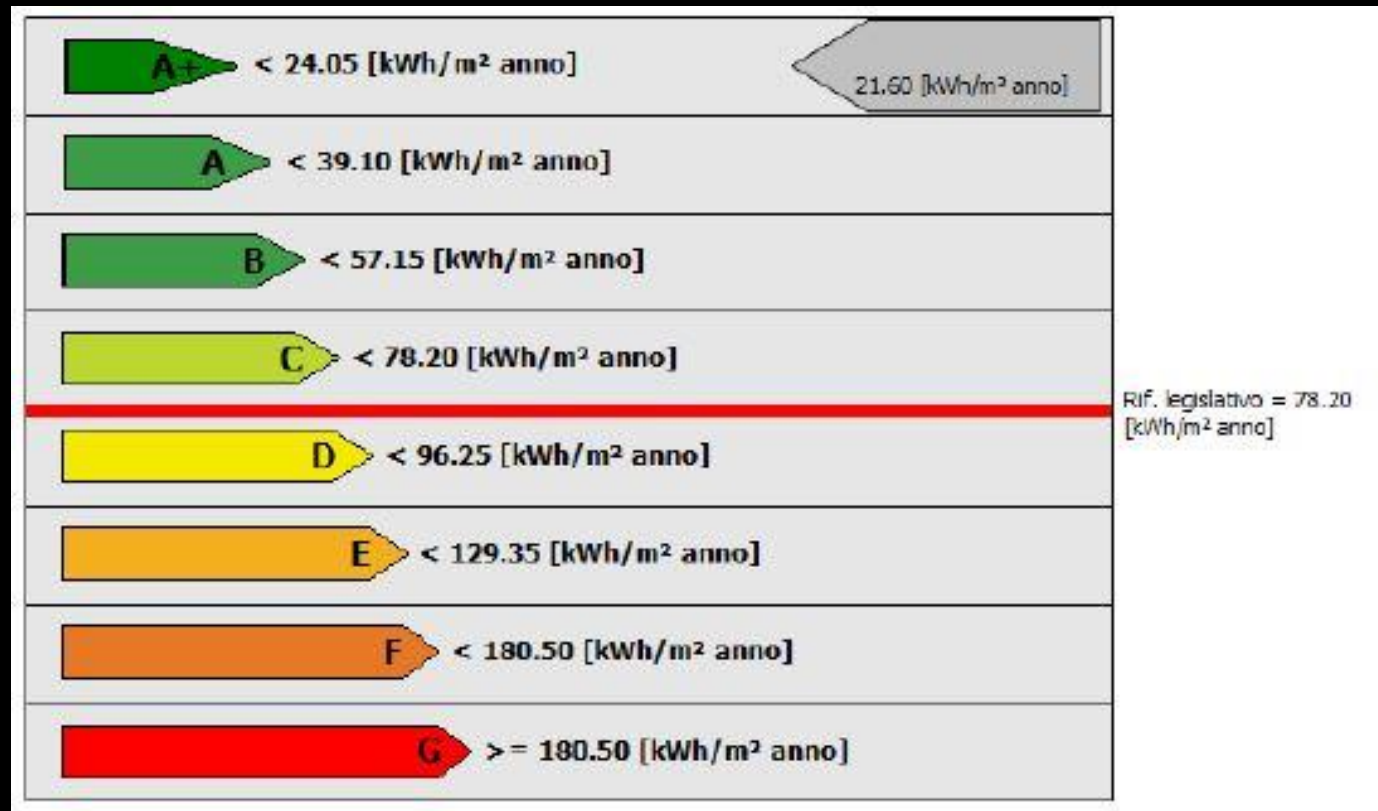
**PRESTAZIONE ACQUA CALDA**  
7.586 [kWh/m<sup>2</sup> anno]

<b>4. QUALITY OF BUILDING COVER (COOLING SYSTEM)</b>	I	II	III	IV	V
<b>5. CALCULATION METHOD (ADOPTED)</b>					

**ANNEX 6** (ANNEX A, paragraph 8)

6. RECCOMENDATIONS		
Interventions	Energy Performance/Rating for each intervention	Return time (Years)
1)		
2)		
3)		
4)		
5)		
<b>POTENTIAL ENERGY PERFORMANCE</b> <small>(2)</small>	<b>0 kWh/m<sup>2</sup>year</b>	<b>(&lt;10 years)</b>

7. OVERALL ENERGY RATING OF BUILDING			
<b>ENERGY SERVICES INCLUDED IN THE RATING</b>	Heating V	Cooling O	Warm water sanitation V



8. PARTIAL ENERGY PERFORMANCE DATA					
8.1 COOLING		8.2 HEATING		8.3 WARM SANITATION WATER	
Primary energy index (EPI)		Primary Energy Index (EPI)	14,01	Primary Energy Index	7,59
Legal minimum requirement of primary energy index		Legal minimum requirement of primary energy index (d.lgs. 192/05)	68,40		
Envelop Index (EPE,invol)		Envelop Index (EPI,invol)	0,00	Renewable sources	
Plant performance		Average seasonal plant performance ( $h_g$ )	365,98		
Renewable sources		Renewable sources			

**ANNEX 6** (Annex A, paragrph 8)

9. NOTES

10. BUILDING				
Type of building	Civil building construction			<b>Photo of building (Not compulsory)</b>
Type of construction	Timber structure			
Year of construction	2013	Number of flats	1	
Gross heated volume V (m <sup>3</sup> )	391,17	Net internal area (m <sup>2</sup> )	119,20	
Dispersion surface S (m <sup>2</sup> )	418,71	Climatic Zone /GG	C/1206	
Ratio S/V	1,07	Intended use	E.1(1)	

11. IMPIANTI				
<b>Heating</b>	Year of installation	2013	Type	PDC
	Nominal power (kW)	16,38	fuel	Electric
<b>Warm sanitary water</b>	Year of installation		Type	PDC
	Nominal power (kW)	42,00	fuel	Electric
<b>Cooling</b>	Year of installation		Type	
	Nominal power (kW)	0,00	fuel	
<b>Renewable sources</b>	Year of installation		Type	Photovoltaic panel
	Annual energy produced (kWh <sub>e</sub> /kWh <sub>t</sub> )	707,90		

12. DESIGN				
<b>Architect/s</b>	Arch. Enzo Pagano			
Address		Telephone/e-mail		
<b>Architect/s for installation</b>	Ufficio Tecnico Pagano			
Address		Telephone/e-mail		

**13. CONSTRUCTION**

<b>Builder</b>	Pagano System s.r.l.		
Address	Via Sabotino 12 - 00195 Rome	Telephone/e-mail	
<b>Project manager</b>			
Address		Telephone/e-mail	

**14. CERTIFYING AGENCY**

Company/public organization	Technician V	Energy Manager	Organization / Company
Name and Surname / Title	Ing. Erika Fossati		
Address		Telefono/e-mail	XXXXXXXXXXXXXXXXXXXX
Title	Engineer	Charter Engineers	Ingegneri di L'Aquila
Declaration of objectivity and independence			
Additional information			

**15. INSPECTION**

1) 22/04/2013
2)
3)

**16. DATA ENTRY**

Energy project	O	Measurement on the build:	O
Origin and responsibility			

**17. SOFTWARE**

Programme	Mc4Suite 2013	Producer	Mc4Software Italia s.r.l.
Insurance declaration of maximum deviation of the results obtained lower by more or less 5% of the values derived from the referenced national calculation methodology (UNI?TS 11300) provided by <i>CTI Certificato n.4 e n.27</i>			

technician  
 Ing. Fossati Erika