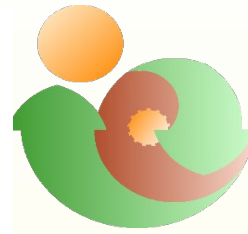


Certificate

Certified Passive House Classic

Earth Cycle
Technologies

10 Springfield
Wicklow Town
Co. Wicklow



Authorised
by:



Dr. Wolfgang Feist
64283 Darmstadt
Germany

211 West 29th Street
West 29th Street, 10001 , United States of America



Client	Bernstein Real estate 150 West 30th Street 10001 , United States of America
Architect	Zh Architects 515 Canal St NY10013
Building Services	EP Engineering 110 Williams Street NY 10038
Energy Consultant	Zh Architects 515 Canal St NY 10013

Passive House buildings offer excellent thermal comfort and very good air quality all year round. Due to their high energy efficiency, energy costs as well as greenhouse gas emissions are extremely low.

The design of the above-mentioned building meets the criteria defined by the Passive House Institute for the 'Passive House Classic' standard:

Building quality		This building	Criteria	Alternative criteria
Heating	Heating demand [kWh/(m ² a)]	10	≤	15
	Heating load [W/m ²]	11	≤	-
Cooling	Frequency of overheating (> 25 °C) [%]	-	≤	-
				10
Airtightness	Pressurization test result (n ₅₀) [1/h]	0.4	≤	0.6
Renewable primary energy (PER)	PER-demand [kWh/(m ² a)]	85	≤	-
	Generation (reference to ground area) [kWh/(m ² a)]	-	≥	-

The associated certification booklet contains more characteristic values for this building.

Certifier: Robert Ryan, Earth Cycle Technologies