

Certificate

Certified Passive House Plus

B.Tec Prof. Dr. Harald Krause Authorised
by:
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Brage Förskola Bragegatan 4, 195 53 Märsta, Sweden



Client	Sigtuna kommun Södergatan 20 195 85 Märsta, Sweden
Architect	TOL Arkitekter AB Ljusslingan 4 120 31 STOCKHOLM, Sweden
Building Services	Knut Jönson Ingenjörbyrå AB Stationsgatan 6A 195 40 Märsta, Sweden
Energy Consultant	IG Passivhus Sverige AB Honnörsgatan 16 352 36 Växjö, Sweden

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 Plus' standard:

Building quality		This building	Criteria	Alternative criteria	
Heating	Heating demand [kWh/(m ² a)]	8	≤	15	-
	Heating load [W/m ²]	7	≤	-	10
Cooling	Frequency of overheating (> 25 °C) [%]	0	≤	10	
Airtightness	Pressurization test result (n ₅₀) [1/h]	0,2	≤	0,6	
Renewable primary energy (PER)	PER-demand [kWh/(m ² a)]	33	≤	45	33
	Generation (reference to ground area) [kWh/(m ² a)]	48	≥	60	41

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

Samerberg-Törwang, 12. March 2020

Certifier: Harald Krause, B.Tec Prof. Dr. Harald Krause