



Non-Residential Nuanced

Region	north
Bldg Type	Hospitality_old
rel Anzahl	0.03
Age Class	1949-1957



Exterior Wall

Type: massive

U [W/m²K]: 0.299

Layer	Material Name	t_i [cm]	ρ_i [kg/m³]	λ_i [W/mK]	c_i [J/kgK]	EPD ₁	EPD ₂
0	interior plaster	1	1400	0,7	850	7	-
1	reinforced concrete	15	2400	2.1	776	9	12
2	mineral wool	6.08	60	0,04	850	3	-
3	concrete	6	2400	2.1	776	9	-
4	exterior plaster	2	1800	0.87	850	1	-
5	mineral wool	6.08	60	0,04	850	3	-

Roof

Type: -

U [W/m²K]: 0.356

Layer	Material Name	t_i [cm]	ρ_i [kg/m³]	λ_i [W/mK]	c_i [J/kgK]	EPD ₁	EPD ₂
0	oak	3	685	0,3	1500	2	-
1	concrete_wz05	15.0	2400	2.1	776	9	-
2	mineral wool	10	60	0,04	850	10	-

Foundation

U [W/m²K]: 0.33

Layer	Material Name	t_i [cm]	ρ_i [kg/m³]	λ_i [W/mK]	c_i [J/kgK]	EPD ₁	EPD ₂
0	floating cement screed	4	1940	1,4	1000	13	-
1	mineral wool	10	60	0,04	850	10	-
2	aerated concrete blocks	19.0	1100	0,66	1050	5	12



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Floor

U [W/m²K]: 2.324

Layer	Material Name	t_i [cm]	ρ_i [kg/m³]	λ_i [W/mK]	c_i [J/kgK]	EPD ₁	EPD ₂
0	floating cement screed	5	1940	1,4	1000	13	-
1	mineral wool	1	60	0,09	850	8	-
2	reinforced concrete	15	2400	2,04	777	9	12

Window System

U [W/m²K]	Percentage of walls	Glazing	EPD _{Gl}	Frame type	EPD _{Fr}	Shading type	EPD _{Sh}
	0.25	2	11	pvc	4	none	-

Heating System

Unit type	Generator	EPD _{HEG}	Transfer type	Heating energy carrier	EPD _{HEC}
per_bldg	boiler	14	radiative_single	gas	6

HVAC System

mechanical ventilation	Ventilation volume [m³/m²h]	EPD _{MV}	Ventilation heating	EPD _{VH}	Ventilation cooling	EPD _{VH}	Cooling energy carrier	EPD _{CEC}
only_window	2167.80	-	no	-	no	-	-	-



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NLA [m²]	722.6
Height [m]	7.01
Stories a.g.	2.2
Stories b.g.	-



Façade length [m]			
N	S	E	W
22.08	22.01	16.6	22.76

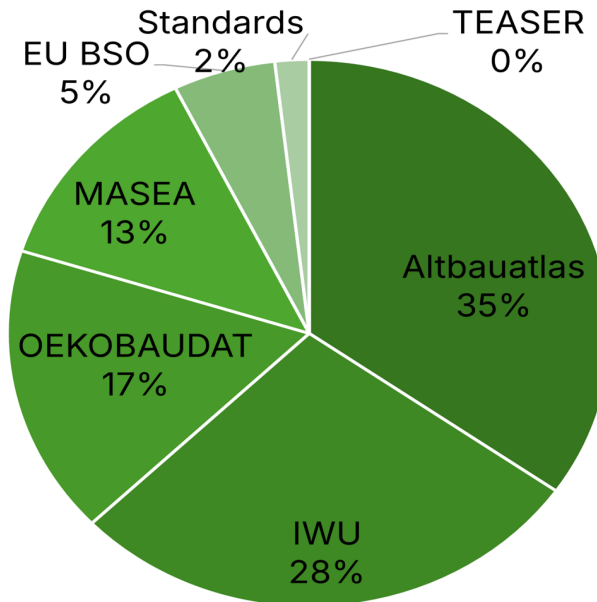
Façade area [m²]			
N	S	E	W
181.75	181.59	154.33	176.54

EPD Summary Table

EPD No.	Full UUID	Material Title	Weblink
1	004f3f4e-5bb8-4d9e-a104-6999a9e8ad5b	Gips Kalk Putz	Link
2	17bcb2ce-39fd-400b-baf9-370c63589efd	Schnittholz Eiche (generisch, 12% Feuchte/10.7% H2O)	Link
3	50d421e2-3a7b-4659-92a4-f20d6a52fcf0	Mineralwolle (Fassaden-Dämmung)	Link
4	73de9e80-8ed2-47d8-b5b6-854c84166f24	Flügelrahmen PVC-U	Link
5	80b2a264-25e6-4202-bfd0-553998815eb4	Hebel Porenbeton, bewehrt	Link
6	84aa7483-9824-49a9-a3e3-f9fb092ea7b7	Nutzung - 1 kWh Endenergie aus Gas Brennwert (entspr. GEG)	Link
7	9a670d29-efb9-4fde-95ab-182a0b1e7280	Kalk-Gips-Innenputz	Link
8	ac779922-219f-4730-9aef-a7da84d334c1	Mineralwolle (Boden-Dämmung)	Link
9	b3fb0ba9-2376-49bf-b21a-7f7a5cd97233	Beton der Druckfestigkeitsklasse C30/37	Link
10	d3661bd8-0107-4081-987b-4bdd5cfcb68d	Mineralwolle (Schrägdach-Dämmung)	Link
11	dcf38066-e336-46a7-b0a8-b2453dd2872d	Fensterglas einfach	Link
12	f6861618-5a92-4c3a-94ba-9f7329b29662	Bewehrungsstahl	Link
13	fe371be5-c72f-4203-8569-a085ef375ba4	Calciumsulfat-Fließestrich und konventioneller Calciumsulfat-Estrich	Link
14	fe91b985-60da-45dc-b3fd-29b9e632d49f	Gas-Brennwertgerät 120-400 kW (Standgerät)	Link



Data sources for 156 variables



Data source	Link
Altbauatlas	https://www.altbauatlas.de/index.php
OEKOBAUDAT	https://www.oekobaudat.de/en.html
IWU	https://www.iwu.de/1/research/gebaeudebestand/forschungsdatenbank/
MASEA	https://www.masea-ensan.de/
EU BSO	https://building-stock-observatory.energy.ec.europa.eu/database/
Standards	https://www.din.de/de/mitwirken/normenausschuesse/nabau/veroeffentlichungen/wdc-beuth:din21:293576742 https://www.din.de/de/mitwirken/normenausschuesse/nabau/veroeffentlichungen/wdc-beuth:din21:134234392