The living pond



Team 4

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Extra rooms

Construction class III

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Common areas, community rooms, garden, bicycle storage room

Good utilisation of the residential and staircase areas must be ensured.

over 8 m to 11 m (3 floors)



٠	Different flat sizes:	4
•	Number of apartments in 1 building:	12
•	Total number of apartments:	72
•	Location:	Stegersbach, Burgenland
•	Parking space	43 and 6 for disabled people
•	Floor area ratio	55%
•	Total number buildings	6





The Buildings are in Stegersbach, Burgenland and are called "the living pond" because in the middle of the building site there is a pond where the rainwater is collected. There are 4 different types of flats and approximately 40m² big. The buildings are made as sustainable as possible by using wood.







Ground Floor

















Outer shells thermal transmittance is very low, there isn't any thermal bridges and thermal performance values are clearly under regulations.

Thermal requirements in Austria:

- Wall 0.35W/m2K •
- Roof 0.20 W/m2K •
- Floor 0.40 W/m2K •

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Our Building:

Wall 0.20 W/m2K

Roof 0.14 W/m2K

Floor 0,12 Wm2K (200mm styrofoam+80mm concreate)

Level of prefabrication

External walls from vapor barrier in and facade is assembled on construction site.

Red layers are assemblet in construction site

12.5mi	m gy	psum plaste
40mm	mi	neralwool +
160mm	n mi	neralwool +
20mm	gy	psum fibre l
30mm	ve	ntilation
24mm	W	all cladding

er board

- timber

construction timber

board







	soil	
6-16mm	gravel	
	fabric	
20mm	EPS	
30mm	3-layer bitu	
proofing)		
20mm	EPS	
	vapor barr	
220mm	CLT	
220mm	hanger	
18mm	timber finis	

25mm	dry screed
30mm	quick thern
30mm	impact sou
60mm	elastic bon
	trickling pro
180mm	CLT
220mm	hanger
18mm	timber finisł

umen (water/roots

rier

sh

n natur und absorbing subfloor nded fill otection

h





1:100

















Bird view















We really enjoyed working on the project thank you,

- team 4