

# COMPARISON Stacking wooden houses and Mounted on the SIP wooden houses

Benefit	columnar structures	SELF-SUPPORTING insulated panels SIP
energy Saving	yes in Depending on the total thickness of the wall	yes 25-42 kWh / m2/ year falls in category A-B home already at standard
price	low	low 10-20% smaller compared to brick
resistance fire	yes ?(in depending on the material)	YES (Fire retardant EPS core + cladding + SDK fire retardant cables) prevent the spread of fire
resistance water	Less (during the implementation of the unfavorable Weather will become damp insulation panels-cotton) as well as floods	YES (with internal insulation EPS is a "hermetically" closed in sandwich panels SIP) for floods nevlhne external walls
lasts earthquake and storms	<i>yes-flexibility to 7 st..</i>	YES-EARTHQUAKE IN 7 St. Skeleton of the building is anchored in base plate
speed construction	180 or more days (challenging the accuracy and speed) at 100 m2 area	SHELL CONSTRUCTION 4 days, BARE HOUSE 40 DAYS, THE TURNKEY 100 DAYS modular system at 100 m2
Price to skeleton	30 years	60 years
service life	Yes in Depending on the quality of installation	YES precise assembling accomplished alone technology (100 years more)
resistance insect, rodents	? more timbering more joints and thinner 15 mm OSB sheathing class 3	YES the used solely KVH face and just as support timbering, 15 mm OSB sheathing TOP 4 more stable, more robust system and EPS is indigestible
easily adjustable	<i>? in Depending on the design system him timbering more intensive structural analysis</i>	YES-possibility to easily be changed or additional I do window pane and clip. (Same static properties.)
quality	<i>More demanding accuracy and quality of the timbering improperly dried wood will cause stress and Effect cracked walls and undesired ce sounds</i>	Correct modular system with minimum services without carrier wooden structure ensures comfortable Taking
variability house	NO (more intensive structural analysis, less variability and flexibility when dealing with holes such as glass parts etc.).	YES same static SIP panel features give greater variability options and flexibility
sidence house	not	NO (Lightweight construction works) weight skeleton 4200 kg (10 x less than in the brick construction)
ecology-materials	recyclable	recyclable CFC, HCFC, HFC and formaldehyde, no provides them physically independent bad environment
term construction	without limit	without limit (Dry construction process)
suitable for Allergy	yes	YES natural climate and Humidity will ensure healthy housing
soundproofing	<i>? more timbering more joints more sounds</i>	YES inner insulation transmitted adverse sounds
space saving-wall	No thicker walls from about 250 mm	yes-thin walls only 170 mm, profit 0% more SANITARY area housing

