

Extruded Polystyrene Plates for Thermal and Acoustic Insulation

Zentyss Easy Step

Zentyss Easy Step - extruded polystyrene plates for thermal and acoustic insulation is the first step towards creating a warm and comfortable living space in any home.

Applications:

- thermal and acoustic insulation layer under laminate flooring, floors, etc. The Zentyss Easy Step boards are placed under the floor elements with the role of reducing the impact noise and noise produced by moving people on the floor of the room. Also, the XPS boards allow the floating structure to slide when it is expanded or contracted.

- insulating layer for breaking thermal bridges

The boards can be used as an insulating layer for breaking thermal bridges and avoiding condensation (eg under window sills).

- to create your own decorations and finishing elements

Advantages

The closed cell structure and the ribbed appearance of the surfaces give the following properties of extruded polystyrene:

- it reduces the impact noise and the noise of steps produced by the movement of people
- can take the screed unevenness (bumps)
- high resistance to compression and humidity
- have high resistance to bacteria and fungi
- are lightweight, elastic and flexible
- easy to install - the boards are easily processed, can be cut with the conventional tools (knife, cutter)

Packing

- packed in polyethylene film, 10 boards / packs
- package size:
 - XPS plates 3 mm: 1000 x 500 x 30 mm
 - XPS plates 6 mm: 1000 x 500 x 60 mm
- covered area: 5 sqm

Technical information:

- conformity: EN 13164:2012+A1:2015
- compression strength: 100 kPa
- thermal conductivity: 0,022 W/m²K
- water absorption: WL(T) ≤ 0,7%
- the boards take the floor irregularities up to 4 mm
 - Zentyss Easy Step plates 3 mm: up to 2 mm
 - Zentyss Easy Step plates 6 mm: up to 4 mm
- operating temperatures: - 50 °C ... +70 °C

Storage

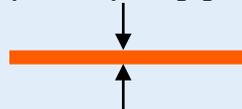
- in original packaging, in covered and ventilated areas, away from sunlight, heat sources and fire.

Environmental issues

The boards are environmentally friendly, do not have impact on the environment (biodegradable), 100% recyclable. During the installation and exploitation does not produce any harmful emissions to humans or the environment.

Zentyss Easy Step plates d_N= 3 mm

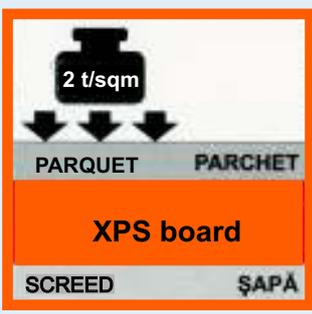
Zentyss Easy Step plates d_N= 6 mm



Sound insulation
impact: 21 dB
step noise: 5-6 dB



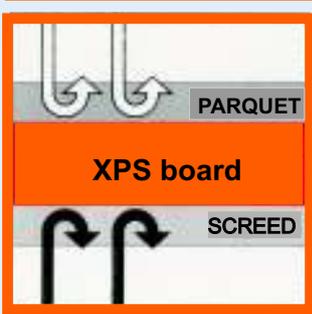
Loads
over 2 tons / sqm
CS(10/Y) ≥ 100 kPa



The plates take over
bumps of the screed
up to 2 or 4 mm



High thermal
insulation coefficient
λ₀=0,022 W/mK



Low water absorption
WL(T) ≤ 0,7%



5 m²
10 boards