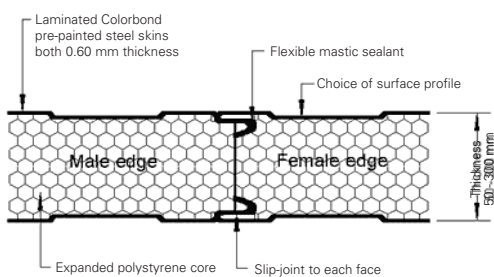


Risk information – Property

Expanded or Extruded Polystyrene (EPS) sandwich panels

What is EPS?

Expanded or Extruded Polystyrene (EPS) sandwich panels will generally consist of metal face sheeting with polystyrene foam core.



Cold room storage – insulated with EPS panels, walls and ceilings



Fire involving EPS panels

Why is it used?

- ▼ Light weight
- ▼ Easily cleaned
- ▼ Great insulation properties
- ▼ Relatively inexpensive

Where you will find it?

- ▼ Cool Rooms/Freezers
- ▼ Controlled Atmosphere Room
- ▼ Factory Partitions and ceilings
- ▼ Roof Decks

The hazard

It is easy to ignite, particularly if the core is exposed and burns rapidly.

During a fire;

- ▼ The core melts and becomes a flammable liquid
- ▼ It gives off toxic smoke
- ▼ The whole panel becomes structurally unsound

Controlling the risk

- ▼ Report any damage to EPS walls/structures – to your supervisor
- ▼ Store all combustible materials away from EPS walls
- ▼ Do not conduct any hot or other work on or near EPS without a relevant permit being issued

Fix it

- ▼ Repair damage to all panels
- ▼ Seal/flashing any exposed polystyrene
- ▼ Install conduit around cables through EPS panels
- ▼ Do not install more EPS sandwich panels
- ▼ Plan to replace EPS with non combustible panels