

PHENOLIC FOAMS IN SITE ASSEMBLED COMPOSITE PANELS

General Description

Site assembled composite panels are available for roofs and walls. The basic system involves fixing the profiled steel to the supporting structure. The insulation is then applied, followed by the outer profiled steel sheet. The full construction process is very simple with no need for a spacer system. The system is designed to be highly resistant to condensation with the profiled phenolic foam completely filling the void between the outer sheet and lining panel, thus excluding air from the construction.

Advantages

- Space saving: closed cell phenolic foam, with its exceptionally low thermal conductivity, allows the appropriate U value to be achieved with thinnest possible amount of insulation material.
- Phenolic foam core has Class O fire rating in accordance with the Building Regulations 1992 Edition, Approved Document B, Appendix A12 (B).
- Phenolic foam core has exceptionally low smoke emission - less than 5% when tested in accordance with BS 5111 : Part 1.
- Excellent moisture resistance as a result of low water vapour permeability and 90% closed cell structure.
- Non fibrous: this is particularly relevant for use in hospitals, food preparation areas and breweries.
- Easy to fabricate on site.
- Steel profiles are available in a wide choice of colours.
- Coated aluminium, in a range of colours, can also be used.

Availability

The system is available in a range of roof and wall profiles with the phenolic foam being cut to fit the chosen profiles.

The system is available finished in a range of colours.