

CPD: Windows & Doors for Passivhaus

Founded in 1931, Internorm's award-winning product range stands for highest quality, and individual solutions for selfbuild and retrofit projects. Our passion for quality and performance ensures that we are committed to Continual Professional Development of professionals working within our wider industry.

CPD Learning Objectives

- Passivhaus model (How the model has evolved since early 1960s)
- Main Passivhaus criteria relating to performance of windows (space heating demand, airtightness)
- Present situation in UK (stock of old building – new building regulations)
- Heat loss from windows – Understanding the U_w . Discussing about the difference between U_w and Ψ opaque as quality criteria for high performing windows.
- Main advantages of investing in a Passivhaus building/embracing Passivhaus design principles
- Thermal comfort – temperature asymmetry & temperature stratification).
- How thermal comfort requirement affects the U_w value on Passivhaus windows.
- Surface Temperature factors. Hygiene criterion for windows. Risk indicator of mould growth. Another quality criterion for high quality windows.
- Main pillars of a Passivhaus
- Passivhaus suitable installation examples – minimising the installation thermal bridge heat losses /airtight installation
- How to avoid overheating (e.g. shading, night purge ventilation)
- Recommended U_w values for Passivhaus windows
- Installation/Glazing edge thermal bridge effect
- Internorm Passivhaus window systems and award-winning projects
- Modern minimal glazing systems development

CPD Development Outcomes

- Provide an in-depth presentation of qualitative parameters affecting the performance of windows suitable for Passivhaus projects.
- Emphasise how windows affect the energy balance, thermal comfort - (winter scenario) and overheating (summer scenario). As this is a more in-depth presentation, please allow for approx. 1 1/2 hours.



CPD accredited/endorsed by:

