

The below answer sheet is for your own self-assessment.
Please keep your completed questionnaires and answers on file for your record.
These do not need to be sent to CPD Live. CPD-Live will send you certificate.

SELECTION OF ALUMINIUM WINDOWS & DOORS FOR COMMERCIAL APPLICATIONS

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- 1. Name the two common curtain wall system types.**
Stick systems and unitised systems.
- 2. What are two key advantages of aluminium that make it suitable for commercial window and door systems?**
It is lightweight yet structurally strong and offers high corrosion resistance, ensuring long-term durability with minimal maintenance.
- 3. What is the function of a sub-sill or flashing in a commercial window installation?**
To collect and redirect water away from the building envelope, preventing moisture ingress and ensuring long-term weatherproofing performance.
- 4. What are the three key performance measures used to assess energy efficiency in glazing systems?**
Solar Heat Gain Coefficient (SHGC), U-value, and Visible Light Transmittance (VLT).
- 5. Lower U-value indicates better insulating performance of a window. What glass and frame improvements can be made to achieve a lower U-value?**
Use insulated glass units (double or triple glazing), low-E coated glass, and thermally broken aluminium frames.
- 6. What are the three main causes of deterioration of surface coatings on aluminium?**
UV exposure, grime and dirt buildup, and attack from contaminated or corrosive moisture.