

Classroom pavilion

Relocatable classroom building assembled from 3.0 x 12.0 m factory-built modules. 2–24 classrooms over 1–3 storeys, leased or purchased, designed to be dismantled and relocated.

Specifications (demonstration values)

Module size (gross)	3.0 x 12.0 m, approx. 36 m ²
Classroom	approx. 60 m ² net, two modules
Clear ceiling height	approx. 3.0 m in classrooms
Storeys	1–3; stair core from two storeys, lift optional
Structure	Steel frame, timber-based infill panels
Facade	Fibre-cement boards or timber cladding
Ventilation	Balanced, heat recovery (enhanced / near-zero)
Heating	Air-to-water heat pump (enhanced / near-zero)
Foundation	Ground screws or concrete strip, per soil survey
Relocation	Dismantled per module; services split at joints
Contract	Lease 2–15 years or purchase

Energy levels

Standard temporary-use	Short terms where the permit route allows a temporary-use envelope.
Enhanced	Better insulation, heat pump and balanced ventilation for longer terms.
Near-zero ambition	Enhanced plus PV-ready roof and extra airtightness; compliance checked per project.

Typical plan and assumptions



Indicative ground floor, four classrooms. Not to scale.

Assumptions used in this demonstration

- A classroom uses two modules; one sanitary group (half a module) per four classrooms; staff room one module.
- Corridors and entrance add about 15% of modules. From two storeys, one stair-core module per storey.
- Lead time from go-ahead = preparation and permit (temporary 8–12 weeks, permanent 14–22 weeks) + production + 2–6 weeks on site. Procedures and production slots can change this considerably.
- All values are indicative figures of a fictional company. Final specifications follow from the programme of requirements, site, soil survey and permit route.
- This document is not an offer, a design, or a certified calculation, and contains no prices.

Next step

Use the configurator on the concept website to size a building, then request a feasibility call. In this concept, nothing is sent or stored.