

STELLARIA.

TECHNICAL RESOURCE DOCUMENTATION



Cost Comparison - Porotherm vs Light Steel Frame

Description	Cost Comparison – Porotherm vs Light Steel Frame
Issue Date	2022
Revision	V1.0

Porotherm versus Light Steel Frame

Light Steel Frame

Porotherm

	Light Steel Frame	Porotherm
Finishes	Designed to be clad – typically with plasterboard to the internal face, insulated between studs, clear cavity and external skin of masonry or rain-screen.	Cavity or monolithic walls designed to be clad with a wide range of finishes.
Internal partitions	Lighter sections for internal partitions may not be suitably robust for all applications.	Porotherm walls are suitably robust for use on all development types.
Thermal performance	The light steel frame structure provides no contribution.	Contributes with regards to thermal mass and thermal conductivity.
Weatherproof	Dependent upon cladding.	The external walling envelope is removed from the programmes critical path in providing a weatherproof structure.
Internal fit out	Internal fit out cannot commence until external cladding has been installed.	Internal walls can be constructed with external inner leaf walls