

INTRODUCING SIMS

By **QUINN**

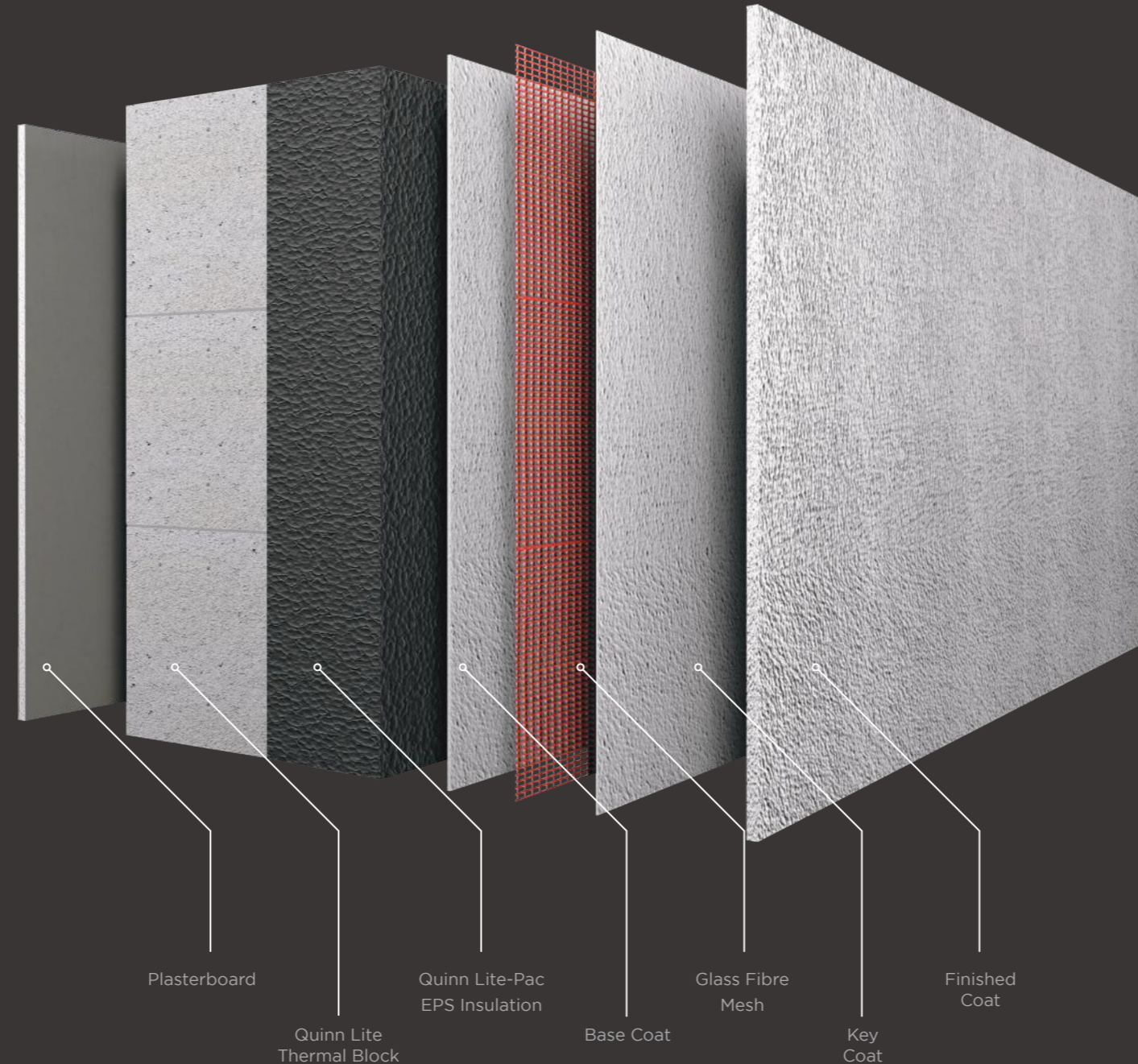
Super Insulated Masonry Solution

SIMS by Quinn is a modern method of masonry construction which combines the benefits of Quinn Lite thermal blocks with thin joint technology and a certified external insulation solution. It's a very straight forward construction method which utilizes the simplicity of solid wall construction whilst enhancing the thermal performance and weather tightness of the building.

The wall consists of a 200mm wide Quinn Lite thermal block built using thin joint mortar, externally finished with an approved external insulation solution and internally finished with plasterboard on dabs. The insulation thickness will depend on the U-value required.

U-Value	External Insulation
0.21W/m ² K	110mm EPS
0.18W/m ² K	140mm EPS
0.15W/m ² K	170mm EPS
0.13W/m ² K	200mm EPS

Guide based on Quinn Lite Pac Pearl EPS Insulation



Excellent Thermal Performance

The combination of Quinn Lite thermal blocks, thin joint mortar and external insulation minimises heat loss directly through the wall and at junctions.



Superior Fire Performance

Up to 6 hours fire resistance easily achievable



Enhanced Airtightness

Thin joint mortar significantly improves airtightness of the wall construction.



Cost Effective

Save up to €7,500 versus timber frame on a pair of typical semi-detached houses.



Rapid Build

Single leaf construction, quick setting mortar to allow continual laying, and faster weatherproofing so internal works can commence sooner. Up to 60% less build time versus traditional cavity wall construction.



Zero Condensation Risk

Interstitial and surface condensation completely eliminated.

THIN JOINT CONSTRUCTION

SIMS by Quinn uses thin joint technology, a well established construction method used throughout Europe. It utilizes 2-3mm mortar joints using a quick setting adhesive in place of the traditional 10mm general purpose mortar.

With nZEB just around the corner, and the urgent requirement for rapid build housing in Ireland, thin joint masonry construction is the perfect solution for energy efficient, fast, yet cost-effective construction.

Thin joint construction brings all the benefits of a modern method of construction with all the familiarity that traditional masonry construction.

- Faster laying of blocks
- Faster weatherproofing
- Increased airtightness
- Improved thermal performance
- Improved quality of build
- Stronger

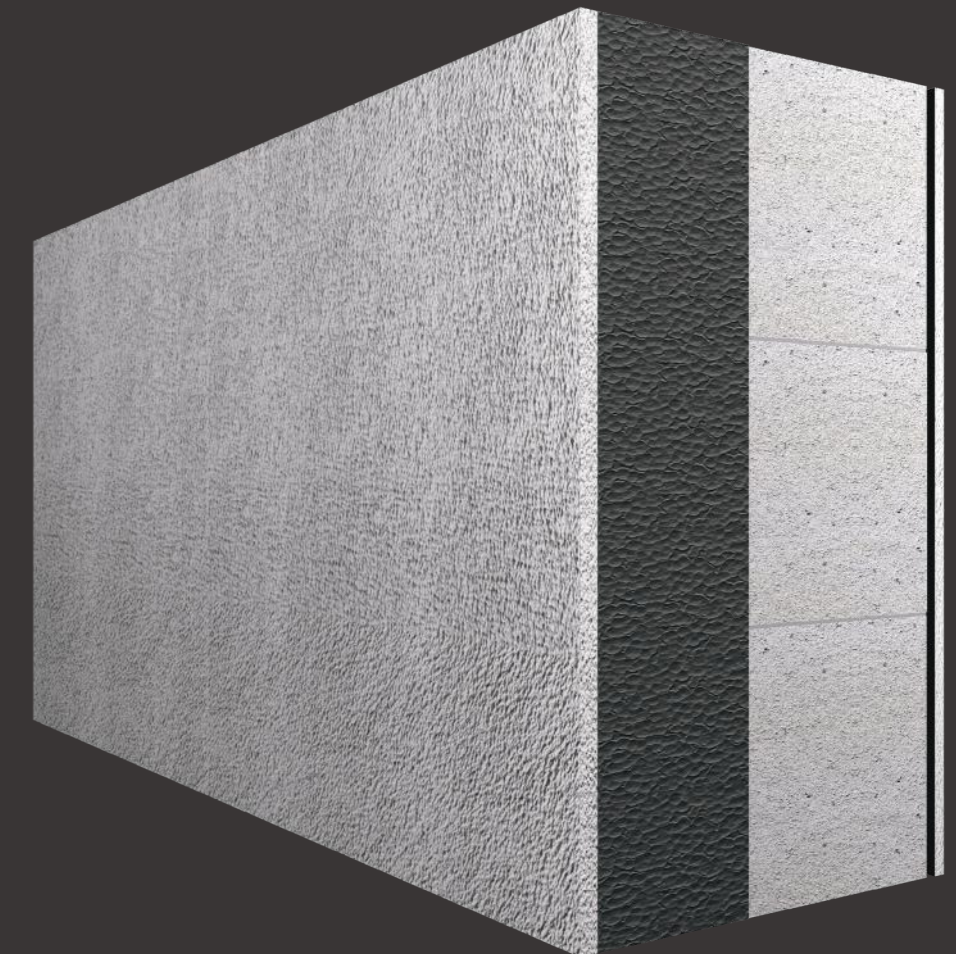


Talk to us about using SIMS
by Quinn on your project

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