

ABSTRACT

BUILDING ELEMENT

A method for sheathing a structural member consisting of two parallel welded wire mesh mats, straight web wires and an insulating body.

To the outer wire mesh is applied a concrete outer shell which adjoins the insulating body adjacent to the outer wire mesh, surrounds the outer wire mesh and together with the latter forms the load-bearing part of the structural member. Concrete is similarly applied to the inner wire mesh which adjoins the insulating body adjacent to the inner wire mesh, surrounds the inner wire mesh and together with the latter forms the load-bearing part of the structural member. Each through-hole is also filled with a concrete web which connects the concrete outer and inner shells.

The structural member exhibits optimum sound and heat insulation properties with a high load-bearing capacity.

Figure 3