Sandwich panels EI 90-M
A sandwich panel that can withstand both fire and heavy impacts.

Fire-resistant walls that were also able to withstand mechanical impacts have previously required heavier structures, primarily in concrete.

Lindab has developed a patent-pending solution with a sandwich panel which complies with EI 90-M requirements without complicated reinforcements.

The fact that our panels achieve EI 90 means that they retain their insulating capacity for 90 minutes of fire. What is completely unique about our panels is that they can now also handle mechanical resistance. M in the specification stands for the capacity of a structural component to withstand a mechanical impact, with the test being performed immediately after the wall was exposed to 90 minutes of fire.

Lindab’s panel is approved and also patent pending. The tests were conducted at SP (Technical Research Institute of Sweden) in Borås, which is certified to perform these types of tests.

We offer panels in thicknesses 200, 240 and 300 mm in these classes and types:

- External wall - EI 180
- Internal wall - EI 180, EI 90-M
- Ceiling - EI 60

Read more about our fire- and M-rated panels at lindab.com