

DELTABEAM®
with steel decking:
a perfect match for
lightweight slim
floor structure



DELTABEAM®
**SLIM FLOOR STRUCTURE
WITH STEEL DECKING**

DELTABEAM® SLIM FLOOR STRUCTURE WITH STEEL DECKING



DELTABEAM® Composite Beam together with steel decking allows light and flexible construction and freedom for designing load-bearing structures in different architectural applications. When steel and concrete meet, the results are lightweight, robust, and safe. This is the ideal solution for modern construction.

When DELTABEAM® and steel decking are used together, both products successfully utilize the way the composite acts with concrete. Together they are one of the lightest structures available on the market.

Steel decking provides a structure that in general enables long spans together with DELTABEAM®. There is no need for any substructures below the decking, and it is easy to add openings even after assembly. Moreover, DELTABEAM® has integrated fire proofing so no additional fire painting is needed on site. DELTABEAM® together with steel decking is the ultimate solution for safe and efficient slim floor construction.

BENEFITS OF USING DELTABEAM® WITH STEEL DECKING

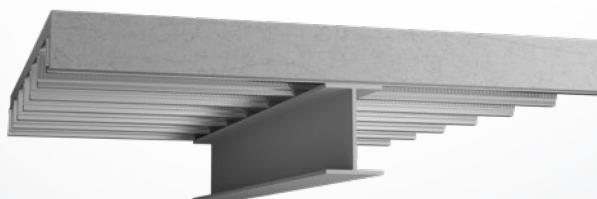
- DELTABEAM® with steel decking is a lightweight solution
- No need for substructures below the decking
- Less crane pick-ups for high-rise constructions due to reduced weight
- Integrated fire resistance improved by steel
- Easy to make and add openings and install HVAC
- Easy, fast and safe erection process

COMPARE DELTABEAM® TO OTHER SOLUTIONS

Slim floor buildings require less cladding for the same usable interior volume, which in turn reduces heating and cooling energy consumption. All the space saved between floors reduces the number of vertical components needed, such as cladding, columns, walls, elevator and stair shafts, pipes, and ducts.



DELTABEAM® Slim Floor Structure



Steel beam structure

SPACE
EFFICIENCY AND
EASE OF HVAC
INSTALLATIONS

LONG SPANS

- DELTABEAM® Slim Floor Structure with steel decking has long spans, which allow creating open spaces. The long spans in both directions mean fewer columns are needed.

LIGHTWEIGHT

- DELTABEAM® together with steel decking and concrete is one of the lightest structures available on the market. Reduced weight of construction saves time and money during the construction process.

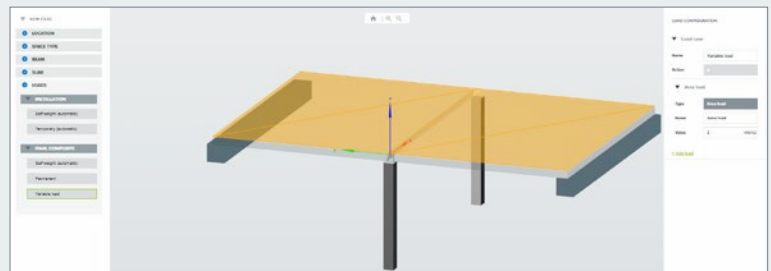


INTEGRATED FIREPROOFING

With DELTABEAM®, it's easy to protect the structure from fire. The reinforcement inside the beam ensures integrated fireproofing, which is strengthened by the thermal insulation properties of the steel decking.

DESIGN TOOLS AND LOCAL TECHNICAL SUPPORT AT YOUR SERVICE

We offer you a set of free software tools and design components to make your designing faster and easier. Our local technical support in over 30 countries is always ready to assist you.



REFERENCE CASES WITH STEEL DECKING



The Residences at 5th and 5th, Naples, FL, USA



Shopping Center Trio, Lahti, Finland



Mosaik, London, Ontario, Canada

Please see www.peikko.com/references for more information.

DELTABEAM® OVERVIEW

DELTABEAM® enables slim floors for multi-story buildings of any type. It allows building open spaces, even in architecturally demanding shapes. Each DELTABEAM® is uniquely designed and manufactured. The perfect fit and pre-designed, standardized connections make the structure extremely fast to erect. DELTABEAM® is cast on site with structural concrete simultaneously with the slab. Choosing a slim floor structure for your new project means flexible layouts and more floors for a given height of a building.

EXPERT ADVICE LOCALLY AVAILABLE

Peikko offers expert advice during designing and construction to help you get the best out of our products.

www.peikko.com

Youtube video:
DELTABEAM® Slim
Floor Structure for
Open Spaces



A faster, safer, and more efficient way to design and build

A faster, safer, and more efficient way to design and build. Peikko supplies slim floor structures and connection technology for precast and cast-in-situ applications. Peikko's innovative solutions make your construction process more efficient.