

COMBIFOR

GROUND SYSTEME FIRST FLOOR

Combifor System floor: The versatile, flexible floor system



DUOFOR

smart building.

- Freely, selectable axis dimensions
- Easy handling, short construction time
- Lightest system floor from kg/m^2
- Easy to use
- Environmentally friendly, 100% recyclable
- Certified / CE-mark

**COMPLETE
SYSTEM
WARRANTY**

CONSTRUCTION STRUCTURE OF THE FLOOR

The Combifor floor system is the perfect solution for every floor renovation and new construction. The floor system combines common working steps of a conventional beamed ceiling with light and flexible materials. Due to the flexibility and the favourable price-performance ratio, Combifor creates quickly and efficiently a constructive floor structure. The advantages are: Easy handling, short construction time and low costs.

SYSTEM

Combifor is a patented floor system consisting of lightweight steel ceiling beams, thermal decoupling strips – also called thermal strips - and the Duofoor® dovetail plates. The total construction is only 90 kg / m². Combifor complies with all European building codes. The Combifor steel girders can be laid in the existing wall recesses or can be mounted with the help of profile girders and beam shoe profiles in any desired axis. The extension profile provides the perfect solution if distances between the steel girders and the wall deviate.

THERMAL ADVANTAGES

The thermal strips not only serve as a support for insulation panels but also as a thermal bridge for the lightweight steel ceiling beams. The soil temperature reaches quickly the desired values. Installation work is always carried out in the “heat range” so that very high thermal insulation values can be achieved easily.



Profile carrier with hook bar profile



Profile carrier, profile, extension profile



Application Thermo strip



Application insulation plates



Dovetail plate with screed



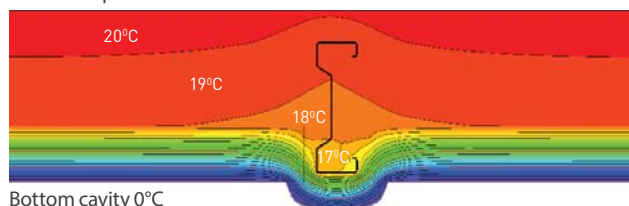
Wood panels with Combifor steel beams

FEATURES: THERMAL AND COMFORT

The isolation plates can be chosen at will to achieve the desired U-value. The prescribed U-value of 0.35 W / m² K (according to EnEV) is realized easily.

A “harder” insulation plate, which is applied to the thermal strip together with mineral wool, increases the sound insulation of the floor. This gives the floor cavity an additional insulation.

Room temperature 20°C



Bottom cavity 0°C

Note: More information can be found on the Combifor manufacturer's note

FEATURES: CONSTRUCTIVE AND COMFORT

Combifor is ideal as a drywall system floor. The Combifor steel girders are not enclosed by concrete as in conventional systems. The structure of the Combifor system creates rigidity in the steel girder.

Depending on the construction regulations, spans of 6 meters are easy to implement. More possibilities of the Combifor system can be found at <http://duofoor.eu>

STEEL SUPPORT AND EXTENSION PROFILE

Standard available lengths of steel beams

3.0 m 3.3 m 3.6 m 3.9 m 4.2 m 4.6 m 5.0 m

Any desired length is available in consultation

Extension profile

0.75m; maximum adjustability up 0.4 m