

DUCTILCRETE® HB100 System Data Sheet

System Description

DUCTILCRETE® HB100 is a patented dual-layer engineered system for concrete slabs based on the Heidebed® technology and method. It is specifically designed for tilt-up construction where the two layers are placed in separate pours. The entire bottom part of the slab can be installed quickly providing a surface for ongoing construction. The top layer is typically placed after the walls and roof have been installed, which allows for a superior slab finish, eliminating the need for repairs of the bottom course. The DUCTILCRETE® HB100 system results in high performance, flat concrete slabs with column line joint spacing, superior finish without the residual effects of tilt-up construction, increased load carrying capacity, and reduced maintenance while improving construction schedules when compared to traditional slab construction systems.

Application Types

DUCTILCRETE® HB100 is recommended for the construction of new interior concrete slabs. Typical end use applications:

- Warehouses
- E-commerce and distribution centers
- Manufacturing facilities

System Advantages

Concrete slabs designed and installed with DUCTILCRETE® HB100 will typically have the following advantages vs. conventional concrete slabs:

- Up to 75% contraction joint reduction
- Superior slab finish without the residual effects of tilt-up construction
- Reduced curling
- Reduced long-term maintenance
- 5-year warranty provided by licensed contractor
- Sustainable - approximately 15% less concrete is used
- Increased load capacity
- Elimination of wire mesh/rebar/steel fibers in the body of the slab

System Information

DUCTILCRETE® HB100 is an engineered system based on the patented Heidebed® technology and method comprising of project specific slab designs, blends of proprietary liquid admixtures and synthetic fibers, and placement practices.

The DUCTILCRETE® liquid admixtures and DUCTILCRETE® fibers are delivered to the jobsite ready-to-use in accordance with manufacturer's recommendation and design.

Specifications and Installation Guidance

Refer to the latest DUCTILCRETE® “Standard Interior Floor Slab Specification” for design and installation guidance which can be obtained from your local GCP representative.

The Heidebed® technology is covered by US Patent Nos. 9,828,768 and 9,926,701.

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