DUCTILCRETE® CS 100

High-Performance Extended Joint Slab System

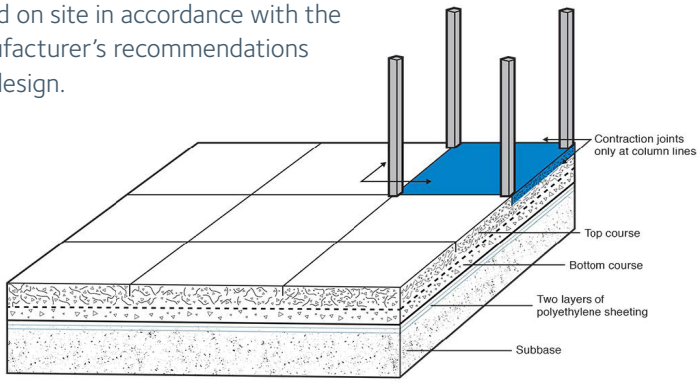
A Solution For Concrete Slab Designs

DUCTILCRETE® CS 100 slab system is a patented dual-layer engineered slab system that provides high performance, concrete slabs with saw cut joints at column lines, while providing increased load capacity and reduced joint maintenance when compared to conventional slab construction systems. Floor flatness (F_F) and floor levelness (F_L) is warranted to stay within 90% of the overall F_F/F_L requirement.

System Information

DUCTILCRETE® CS 100 slab system is comprised of project-specific slab designs, blends of synthetic fibers along with proprietary liquid admixtures, and is placed by qualified, licensed installers.

The DUCTILCRETE® liquid admixtures and DUCTILCRETE® fibers are delivered to DUCTILCRETE® installers and added on site in accordance with the manufacturer's recommendations and design.



Example of a concrete slab design with DUCTILCRETE® CS 100 slab system

TYPICAL APPLICATIONS

- Warehouses
- Distribution centers
- Manufacturing
- E-commerce
- Freight & logistics
- Food & beverage

FEATURES & BENEFITS

- 75% control joint reduction
- Saw cuts at column lines only
- Greater flexibility in racking and equipment layout
- Reduced joint maintenance
- Significant reduction of rebar & mesh
- On-site field support
- Five-year limited warranty

TYPICAL INSTALLATION PROCESS

1. Successful proof roll
2. Install double slip sheets
3. Place bottom layer of supplier concrete
4. Add DC components to supplier concrete
5. Place DUCTILCRETE® top layer over the bottom layer
6. Finish the DUCTILCRETE® slab
7. Saw cut
8. Apply densifier/ hardener

System Components

The DUCTILCRETE® CS 100 system is comprised of the following proprietary products, developed to provide successful placement of the system:

- **DUCTILCRETE® blended synthetic fibers**
- **DUCTILCRETE® proprietary RSC liquid admixture**

Summary

The DUCTILCRETE® CS100 system provides a superior slab over traditional slab designs by utilizing patented, innovative technology, optimized mix designs, and placement techniques by properly trained and licensed contractors. Producing high-performance slabs for modern warehouse requirements, DUCTILCRETE® engineered systems help you achieve these objectives by extending joint spacing, reducing associated maintenance of your slab, and increasing flexibility in regards to space usage.

Information 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.

DUCTILCRETE® slab system technology is covered by US Patent Nos. 7,968,178 and 9,828,768.

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