



Advanced Concrete Slab Technology

DUCTILCRETE®
ENGINEERED SLAB SYSTEMS

DUCTILCRETE® Advanced Concrete Technology

DUCTILCRETE® engineered systems help overcome the maintenance issues that occur in traditional concrete slabs.

Traditional concrete slabs in industrial settings suffer from tremendous wear and tear. These slabs are prone to chips and cracks at control joints, even under normal use of material handling vehicle traffic. The drying of the slab's surface during concrete placement can cause slabs to curl at the edges, resulting in maintenance issues that can be extremely costly and disruptive to operations.

Typically, these floors require extensive control joints to minimize cracking and curling. However, these control joints can disrupt the flow of the space and restrict rack and equipment placement.

Save Money, Increase Space Flexibility

DUCTILCRETE® advanced concrete slab technology differentiates your space – giving warehouses, distribution centers, manufacturing facilities, and data center tenants greater flexibility of their floor space — with lower maintenance costs by reducing the amount of joints in the slab by up to 75%.

These systems feature a patented, specially formulated combination of concrete admixtures and fibers placed via a layered installation system, using a precise method of floor design. Perfected over 15+ years, our systems yield floors that are typically thinner than conventional concrete slabs while allowing for increased loading capacity. These slabs are also more curl and crack-resistant than conventionally designed concrete slabs. The result is a floor with far fewer joints, thus reducing the opportunity for joint damage, wear and tear on machinery and personnel, and joint maintenance and costs. The reduction in joints also allows for a significant increase in usable space.

There are also DUCTILCRETE® paving solutions available that offer superior durability and performance to conventional concrete paving systems.

Project-specific Designs

Third-party validated DUCTILCRETE® slab designs are tailored to each specific project by our in-house team of project managers.

In addition to developing project-specific mix designs for each project based on load requirements, traffic needs, and soil conditions, DUCTILCRETE® licensed contractors dose the admixtures and fibers on-site for the highest level of quality control.

DUCTILCRETE® Applications

DUCTILCRETE® engineered slab systems are ideal for environments such as:

- Industrial warehouses
- Distribution centers
- E-commerce
- Data farms
- Manufacturing facilities
- Parking lots
- Cold storage and freezer facilities
- Paving (non-DOT)

Paving Solutions

For most paving applications, thin-profile DUCTILCRETE® systems meet or exceed conventionally designed paving systems for long-term durability and crack resistance, saving time and money.

KEY BENEFITS

Backed by an extended warranty through your licensed DUCTILCRETE® contractor, these engineered slab systems offer numerous benefits versus conventional slab systems, including:

- Industrial warehouses
- Increased loading capabilities
- Flexibility in space usage and layout
- Reduction in steel reinforcement
- Support for a wide range of uses, including food grade, manufacturing, and lab-grade facilities



LEARN MORE

To ensure the highest quality, DUCTILCRETE® systems are expertly installed by one of our officially licensed contractor partners.

Visit gcpat.com/ductilcrete to find a licensed DUCTILCRETE® contractor.

APPLICATION	PRODUCT NAME	KEY BENEFITS
Warehouses E-commerce and distribution centers Manufacturing facilities	DUCTILCRETE® CS100 slab system	<ul style="list-style-type: none"> Up to 75% contraction joint reduction Reduced curling Lower long-term maintenance Five-year warranty provided by DUCTILCRETE® licensed contractor
Warehouses E-commerce and distribution centers Manufacturing facilities; tilt-up construction	DUCTILCRETE® HB100 slab system	<ul style="list-style-type: none"> Superior slab finish Reduced curling Lower long-term maintenance Five-year warranty provided by DUCTILCRETE® licensed contractor
Parking lots Paving (non-DOT)	DUCTILCRETE® CP100 slab system	<ul style="list-style-type: none"> No requirement for joint fillers Reduced long-term maintenance Three-year warranty provided by DUCTILCRETE® licensed contractor
Warehouses E-commerce and distribution centers Manufacturing facilities; slab restoration	DUCTILCRETE® IT100 slab system	<ul style="list-style-type: none"> Up to 75% contraction joint reduction Superior slab finish Reduced curling Five-year warranty provided by DUCTILCRETE® licensed contractor
Cold storage Freezer warehouses Food service and Manufacturing facilities	DUCTILCRETE® FS100 slab system	<ul style="list-style-type: none"> Up to 75% contraction joint reduction Reduced curling Lower long-term maintenance Five-year warranty provided by DUCTILCRETE® licensed contractor
Parking lots Paving (non-DOT); paving restoration	DUCTILCRETE® WT100 slab system	<ul style="list-style-type: none"> No requirement for removing existing concrete or asphalt No requirement for joint sealers Reduced long-term maintenance Three-year warranty provided by DUCTILCRETE® licensed contractor

For more information visit gcpat.com/ductilcrete to learn more.

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