

Combine the **BEST** of
BOTH WORLDS

in Structural Concrete Designs



CTS Cement Manufacturing Corp. and Helix™ Steel partnership provides the missing component.

MAXIMUM VALUE & PERFORMANCE FOR STRUCTURAL CONCRETE DESIGNS

When quality, durability, and efficiency count – count on the partnership of CTS Cement Manufacturing Corp. and Helix Steel to deliver. Our commitment to providing exceptional products that create extraordinary concrete elements offer high-performance, innovative design options for almost every concrete project.

From industrial to infrastructure, recreational to commercial – owners and project teams alike can benefit from the revolutionary performance of Helix Steel twisted steel micro rebar and Komponent® shrinkage-compensating concrete.

By combining these two innovative technologies, construction costs can be reduced, project timelines accelerated, and long-term maintenance costs minimized. Eliminate delamination concerns, reflective cracking and costly joint failures while improving operational efficiencies and overall aesthetics.

KOMPONENT

by CTS Cement Manufacturing Corp.

KEY BENEFITS

- 90-95% fewer contraction/control joints
- Larger, more monolithic slab & wall placements
- Increased joint spacing (up to 300 ft)
- Increased L/W ratio (up to 3:1)
- Thinner slabs & walls are viable
- Prevent curling, shrinkage cracking, corner breaks & edge spalls
- 30-40% greater abrasion resistance
- Enhances compressive strength
- Restraint to shortening challenges eliminated in post-tensioned designs
- Pour/delay strips can be eliminated in post-tensioned designs
- Reduced temperature & shrinkage steel
- Reduced dowel bars/baskets
- Minimizes O&M costs related to concrete and joint repair
- Industry standards: ASTM C845, C806, C878, ACI 223
- Contributes to LEED points; reduces carbon footprint
- Specify in CSI MasterFormat Division 033000
- Available in BSD SpecLink-e

HELIX™

Micro-Rebar

KEY BENEFITS

- Stronger, more durable concrete without rebar
- Increase in shear strength
- Increase in modulus of rupture
- Increase in durability
- Increase speed of construction
- Increase loading capacity
- Reduced carbon footprint
- Code approved: IAPMO IUES, ISO, UL, ANSI
- Assurance of structural capacity
- Assurance of fire resistance
- Public reviewed design method
- ISO/IEC 17025 (IAS) laboratory
- Recognized in 99 countries
- Specify in CSI MasterFormat Division 033000
- Available in BSD SpecLink-e

CTS and Helix™ Steel partner to provide ultimate performance in structural reinforcement and shrinkage-compensating concrete designs. Together we provide unparalleled solutions with maximum design flexibility and project value.

We are happy to assist with a comprehensive Cost Comparison | Value Estimator for your Cast-in-Place concrete projects. Contact us today for more information. A CSI MasterFormat guideline specification is available upon request. Contact us today for more information.

Contact CTS or Helix™ Steel to find out more about these state-of-the-art products and how they can help you meet and exceed project expectations.

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