The Future of Concrete
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America’s infrastructure is desperately in need of investment, according to the American Society of Civil Engineers. The ASCE estimates the US needs to spend some $4.5 trillion by 2025 to fix the country’s roads, bridges, dams, and other infrastructure.
Premier UHPC is the exclusive worldwide distributor of Cor-Tuf UHPC. With more than four decades of construction experience, Premier is involved in securing Cor-Tuf UHPC contracts, delivering the product on site, and providing the manpower and machinery needed to mix and pour concrete structures. Cor-Tuf UHPC has 10 times the compressive strength of traditional concrete and an estimated longevity of more than 125 years, versus 15-25 years for traditional concrete.
Premier UHPC is developing relationships with entrepreneurs that want to sell, haul, mix, and certify Cor-Tuf UHPC for contractors that construct and repair buildings and infrastructure, domestically and internationally.

By becoming a Facilitator you can sell and mix UHPC, and you can supply and install protective products for counter-terrorism, force-protection, hostile and non-hostile vehicle mitigation, blast protection, ballistic protection, security fencing, and façade hardening to various government agencies, military departments, law enforcement agencies and other industries and business worldwide.

As a Facilitator you will provide technical knowledge and work onsite with engineers, architects, contractors, and owners. You will need to purchase (or rent) a specially designed portable mixer, a truck capable of hauling the Cor-Tuf product and a small amount of Cor-Tuf inventory. The additional products that you will need to make UHPC, such as sand and cement can generally be purchased locally and delivered directly to the construction site.

Our world-wide Channel Partners are advising companies, engineers, contractors, and municipalities of the benefits of Cor-Tuf and are encouraging them to spec projects using Cor-Tuf.

As a Facilitator you work on site and supervise the mixings of Cor-Tuf in real-time to ensure clients are getting the highest quality of this concrete technology. Strict quality control measures are followed to ensure the excellence of the final product.

As a Facilitator you can design your own specialty products and exclusively market them worldwide.
Cor-Tuf is mixed and tested onsite with a small team of three to four certified technicians. Cor-Tuf UHPC initially hardens in two to three hours and can be handled in about eight hours following a pour. The cure time varies with temperature and humidity, but generally produces half-strength in five to seven days. Full curing is obtained in 28 days. Additional strength can be achieved with the use of supplemental techniques such as the use of increased temperature, steam, or both, during curing.

You can become an exclusive Country Facilitator by (a) purchasing stock in Premier UHPC, (b) purchasing an initial inventory of Cor-Tuf, or (C) any combination of both.

* Quantities of Cor-Tuf and number of shares varies by Country.
Product Information

• Cor-Tuf UHPC is actually very similar to traditional concrete in terms of the materials used to make it. The ingredients used to manufacture Cor-Tuf UHPC are approximately 80 percent the same as traditional concrete. It is the remaining 20 percent of the ingredients that make Cor-Tuf unique and revolutionary.

• As Cor-Tuf UHPC is made, integrated fibers are added to the concrete mix. The fibers vary from polyester to fiberglass bars, basalt, steel, and stainless steel. Each of these integrated fibers create a progressively stronger end product, with steel and stainless steel delivering the greatest gains in strength.

• Cor-Tuf UHPC provides up to 10 times the compressive strength of traditional concrete. Depending on the mix, it has a compressive strength from 28,000 pounds per square inch (psi) to more than 116,000 psi. When compared to traditional concrete (2,500 to 5,000 psi) the difference is clear. Additionally, Cor-Tuf also exhibits a vastly increased tensile strength of 2,700 psi, versus 300 to 700 psi of traditional concrete.

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Uses Of Cor-Tuf

- Cor-Tuf UHPC is an ideal replacement for standard concrete in just about any and all applications. UHPC is particularly beneficial in the following applications of traditional concrete:
  - Precast pouring of larger and longer structural elements
  - Injection or extrusion techniques (molding)
  - Pre and post-tensioning components
  - Precast beams
  - Cast-in-place joints between precast beams
  - Precast deck panels
  - Cast-in-place joints and stud pockets of precast deck panels
  - Link slabs between adjacent spans
  - Precast parapets and side barriers
  - Precast inlets for stormwater management
  - Tilt-up construction
  - Security fencing
Portable Mixer

Bridge Pour in Virginia

Video
Additional information

Security Fencing under development

Technical Information and Resources

Interested in learning more about UHPC and how it can benefit your next project? Check out our extensive list of resources so you can quickly educate yourself on this new concrete technology.

Other Resources
To date, there are a small number of proprietary UHPC products on the global market. In the United States, a familiar UHPC product produced by Lafarge Corporation is provided under the trade name Ductal®. Other manufacturers have developed proprietary UHPC products under the trade names of BCV®, BSI®, CRC®, and Densif®. The U.S. Army Corps of Engineers has developed and is licensing Cor-Tuf®. In addition, some State DOTs are working with academia to develop non-proprietary mix designs that meet the performance requirements similar to those provided by UHPC. The Steel fiber reinforcement component of any UHPC used on a Federal-aid highway construction project must conform to the Buy America requirements of 23 CFR 635.410.
“For many years I ran a successful waterproofing business. I saw first-hand the problems with traditional concrete. When I saw what Cor-Tuf UHPC could do, and the way it stood up to weather and wear, I knew this was the way of the future. I truly believe that Cor-Tuf UHPC is one of those once-in-a-century, revolutionary materials that will forever change what can be made with concrete.”

Thank you,

Brett Meisenheimer, CEO

To find out more about becoming a UHPC Facilitator
Contact: Kyle Meyer
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