



CALCIUM CARBONATE

IS YOUR FLY ASH
SUPPLY LIMITED? > WE'VE
GOT YOUR
SOLUTION!

.....> Introducing **HuberCrete®** Ground Calcium Carbonate <.....

VALUE

**IMPROVES
WORKABILITY
AND COLOR**



**NO IMPACT ON
CURING TIME**



**CONSISTENT
MATERIAL
FROM
ISO 9001
CERTIFIED
PLANTS**



**LEED
CERTIFICATION**



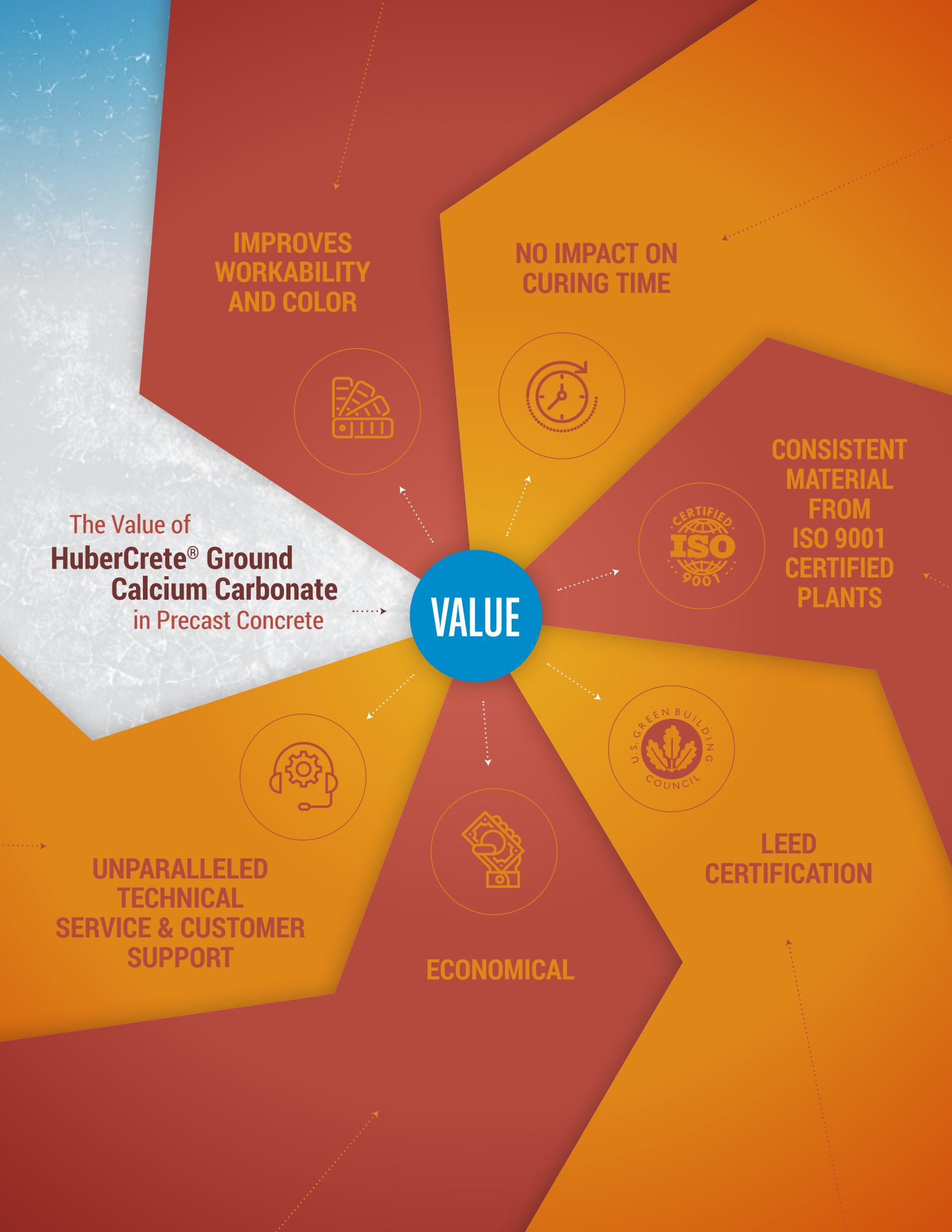
ECONOMICAL



**UNPARALLELED
TECHNICAL
SERVICE & CUSTOMER
SUPPORT**



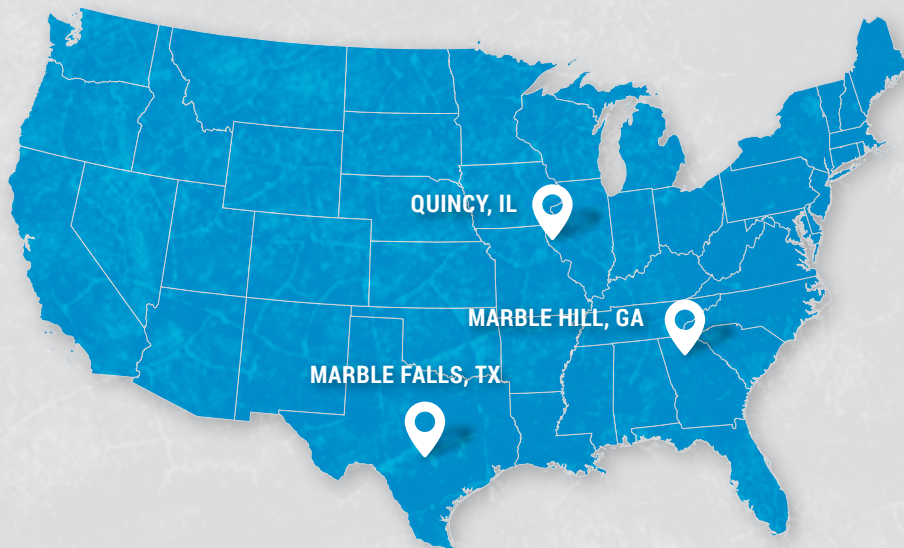
The Value of
**HuberCrete® Ground
Calcium Carbonate**
in Precast Concrete



HuberCrete® ground calcium carbonate from Huber Carbonates, LLC greatly improves precast concrete products through mix workability, consistent white color and cost without impacting fresh or hardened properties.

HuberCrete is manufactured at ISO 9001 certified plants in three U.S. locations from single ore sources. Customers can feel confident the HuberCrete product they choose to incorporate in their mix design will have the same chemical and physical properties from load to load.

We guarantee it!



HuberCrete® Ground Calcium Carbonate Products

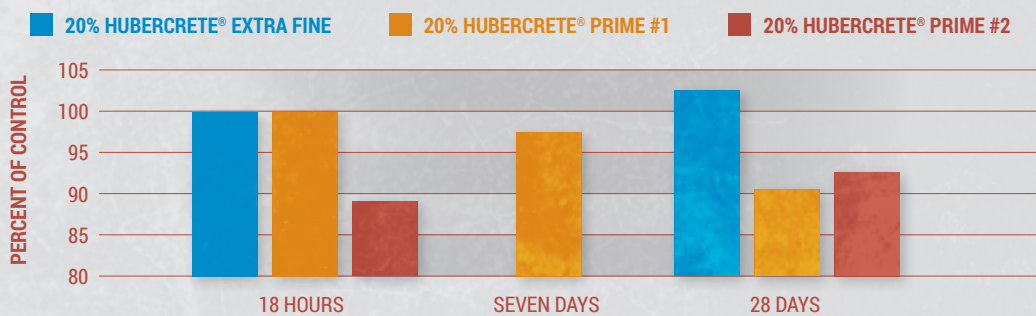
All HuberCrete products meet the requirements of ASTM C1797 - "Specification for Ground Calcium Carbonate and Aggregated Mineral Fillers for use in Hydraulic Cement Concrete."

CALCIUM CARBONATE	MEDIAN PARTICLE SIZE, μm	BLAINE FINENESS, m^2/kg
HuberCrete® Extra Fine	3 - 5	700 - 1000
HuberCrete® Preferred	8 - 13	500 - 700
HuberCrete® Prime	15 - 24	300 - 500

Extensive Testing Proves HuberCrete® Calcium Carbonate Performance and Strength

Extensive testing shows a replacement of either Type I or Type III cements with a HuberCrete® product has little to no affect on the fresh or hardened properties of precast concrete products. Huber's testing at ambient and elevated temperature curing profiles used in precast, performed equally as the mix design without HuberCrete ground calcium carbonate.

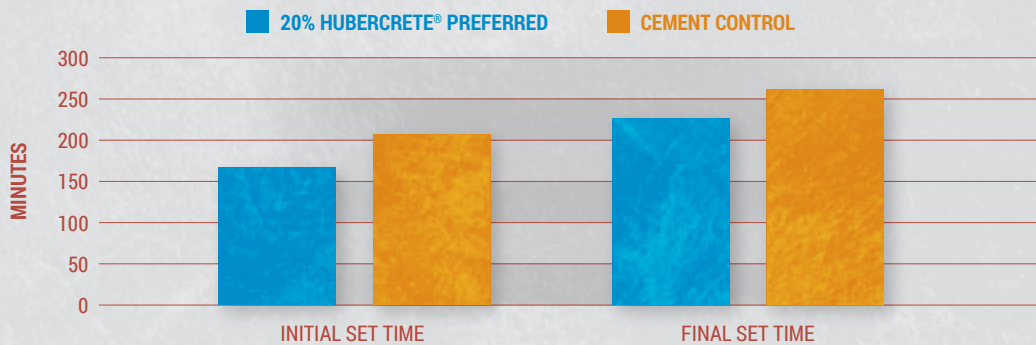
→ Self-Consolidating Concrete Compressive Strength • 650# Cement • 24" Slump ←



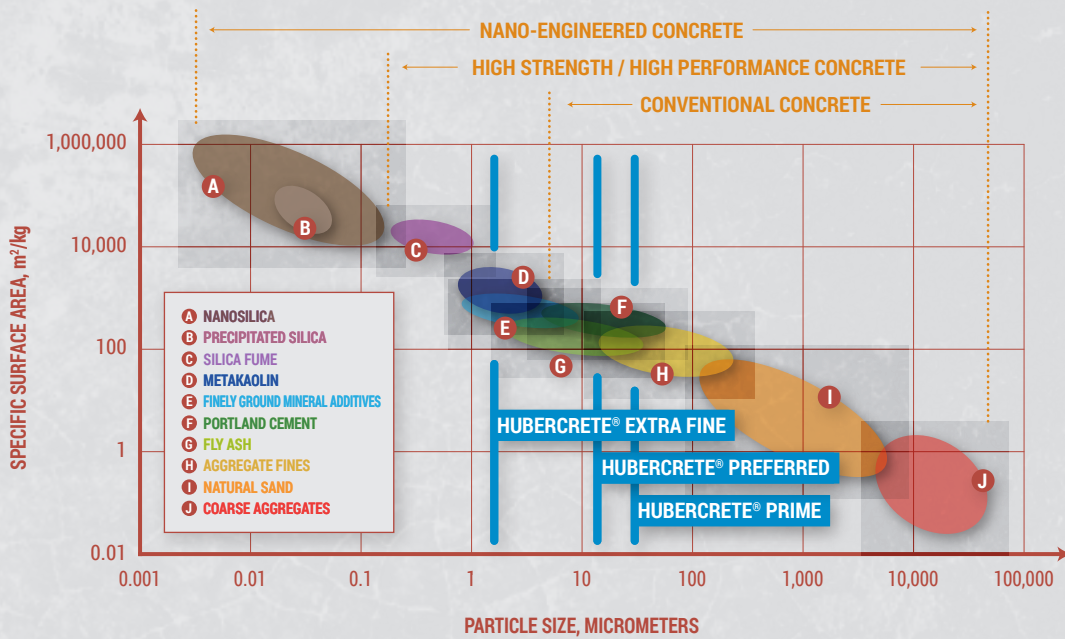
HuberCrete offers improved workability in all types of concrete mixtures, from zero slump to high spread self-consolidating designs.

While HuberCrete is not pozzolanic, which describes a material that adds strength at a later curing time, it does offer an advantage for precast products by promoting the cement hydration reaction at a sub-micron level. The presence of the ground calcium carbonate particles provide a surface area of calcium that aids in the formation of the cement compounds as the cement reacts with water. This results in no impact on setting times and better green strength.

→ Set Time, Minutes ←

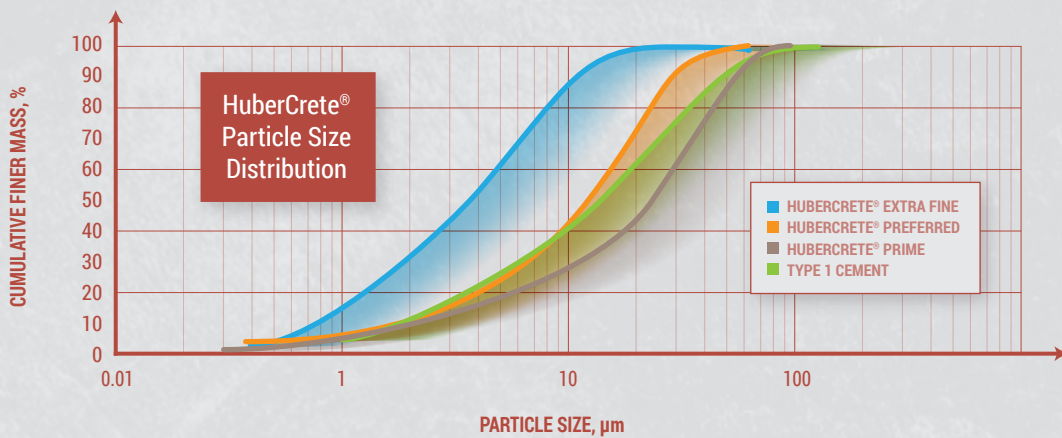


Guidance for using ground calcium carbonate can be found in the ACI 211.7R Guide for 'Proportioning Concrete Mixtures using Ground Limestone and Other Mineral Fillers.' HuberCrete offers particle sizes that allow the mix designer to take full advantage of the particle packing effect of the other materials in the concrete mix.



Source: <https://www.intechopen.com/source/html/51542/media/fig1.png>

Precast products needing minimal bug holes should try HuberCrete® Extra Fine ground calcium carbonate. The particle size offers improved surface finish by contributing a particle smaller than the typical cement or fly ash particle in the particle packing matrix of the cementitious mixture.



Additional \$\$\$\$ Savings!



From an economical standpoint, HuberCrete® ground calcium carbonate is a potential cost saver for you. We invite you to go online to www.hubermaterials.com/costsavings to input your specific materials cost and calculate the savings you will see when you use HuberCrete in your next formulation.

HuberCrete® Supports LEED® Certification

In addition to the aesthetic benefits and powerful performance of using HuberCrete ground calcium carbonate in your precast concrete building products, you also get the environmental-related benefit of the product supporting LEED® certification. With the three convenient U.S. locations to supply HuberCrete for your project, LEED points can be earned through locally sourced material, reduced CO₂ emissions by reducing cement usage and improved solar reflectance. Contact us to discuss how we can assist you in LEED certification.

For more information about HuberCrete® ground calcium carbonate or to order product samples:



CALCIUM CARBONATE

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-  **866-JMHUBER (866-564-8237)**
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