CarbonCure offers a performance enhancing concrete technology that enables producers to achieve increased compressive strengths or reduced carbon footprints through incorporation of carbon dioxide (CO\textsubscript{2}) into the concrete production cycle.

**PROCESS**

The patented technology communicates with existing batch controls to integrate CO\textsubscript{2} injection into concrete production. This leads to the formation of well-dispersed nanomaterials within the concrete that contribute to improving concrete performance.

**ADVANTAGES AND APPLICATIONS**

The technology may be used to increase the compressive strength performance of a concrete mix. The strength improvement can then be leveraged in the optimization of the mix design for a specific end goal, such as early age strength, 28 day strength or binder efficiency.

**DOSAGE RATE**

The CarbonCure technology is compatible with almost all concrete types and applications. Dosages of CO\textsubscript{2} supplied will vary based on individual combinations of ingredients. In general, CO\textsubscript{2} dosages within the range of 1-5 fl oz/cwt are recommended for optimum performance.

**HANDLING AND USE**

The CarbonCure technology dispenses liquid CO\textsubscript{2} supplied by third party vendors. Liquefied CO\textsubscript{2} is contained on site in a refrigerated, pressurized tank provided by a local gas partner. Upon discharge the CO\textsubscript{2} changes into a mixture of gas and a solid white powder.

**SAFETY**

Safe practices for handling compressed gases, as well as other risks described in the MSDS for CO\textsubscript{2} (CAS# 124-38-9) should be adopted and followed. For additional questions please contact your compressed gas supplier or CarbonCure customer service representative.

**COMPATIBILITY**

The use of CO\textsubscript{2} in concrete production is not anticipated to impact the concrete slump, air content, color, handling, pumping, placing or curing. No negative interactions are expected with common admixtures or supplementary cementitious materials.