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### **Miracon® Based Product and Benefits Overview**

Miracon Technologies, LLC® has developed a system for making microcell foam aggregate to be used in a wide variety of cement-based and other composite-based materials. With a unique ability to design products of desirable and easily repeatable properties, Miracon® is typically cost effective in improving virtually any wet-cast Cement, Geopolymer or Ceramic product.

The low cost patented system that Miracon® offers is fully automated as it is designed to be integrated into an automated batching system. This system is intended for use in Transit Mix or Precast operations without any modification to the product manufacturing process.

In many cases, Miracon® has been instrumental in designing new and innovative products, as well as providing ongoing improvements in composite designs as needed. Listed below are some examples of end-products developed for clients, which also incorporate the Miracon® system.

- Veneer Stone –Lightweight with reduced or no lightweight aggregate
- Lightweight and ultra-lightweight concrete roof tile
- Insulating Concrete – low temperature (under 1700°F)
- New Generation Aerated Autoclave Concrete (does not require Autoclave)
- Fire Door Core – for commercial interior doors
- Insulating fire brick for kilns – low density, clay based
- Low/medium density ceramics
- Low/medium density geopolymers
- Structural lightweight concrete – pre-cast and cast-in-place
- Low density gypsum cements
- Low density MagOx concrete
- Wall, floor and roof products/systems with thermal efficiency
- Oil well cementing–improving cost and performance of nitrogen-based cementing
- Many More ..... all with significant cost improvement over any alternative