

### **1. What products are considered Thomagreen products?**

– Any concrete product with a lower carbon footprint than conventional concrete mixtures.

### **2. Are products with fly ash considered Thomagreen?**

– Yes. Since fly ash is a byproduct of a coal burning power plant it is considered a recycled material. Because of the strength gaining characteristics of fly ash in concrete we are able to produce equal strengths while using less Portland cement which reduces the carbon footprint.

### **3. Are products with slag cement considered Thomagreen?**

– Yes. Slag is a byproduct of the steel making industry so it is also considered a recycled material. When properly quenched slag is ground into a powder to make slag cement it has strength gaining properties even better than Portland cement so its use can greatly reduce the need for Portland cement.

### **4. Why is Portland cement reduction so important for lowering the carbon footprint of a product?**

– Since the production of Portland cement is responsible for about 5% of Carbon Dioxide emissions into the atmosphere any mix optimization resulting in the need for less of it in concrete is environmentally beneficial.

### **5. Is Thomas Concrete looking into other ways to reduce Carbon Dioxide emissions?**

– Yes. We utilize our in-house concrete labs to evaluate materials and admixtures that may allow us to reduce cement contents. Since February 2016 we have been using Carbon Cure Technology at some of our plants to convert Carbon Dioxide gas into a mineral while also allowing us to reduce cement contents. By using this technology we have reduced potential Carbon Dioxide emissions by tens of thousands of tons.

### **6. Are Thomagreen products restricted from use in any applications?**

– A Thomagreen product can be used or developed for practically any application. Some specifications may be written that will impede or negate the possibility of using a Thomagreen mix. Please provide any contract documents to Technical Services to make sure we meet specifications and address any possibilities.

