Green Concrete:

As a long-standing tradition for most environmentalists, green has been a favorite color. Not only does it represent leaves and grass, it also represents prosperity. And next in line from the green revolution is green concrete.

Unlike the case with biodiesel and regular fuel, green concrete isn’t just more ecofriendly than concrete – it’s more efficient! The main component of regular cements and concrete is calcium carbonate, more commonly known as limestone. Heated up to anywhere between eight hundred to ten thousand degrees Celsius, the carbon dioxide trapped within limestone is driven into the atmosphere, which results in cement, concrete, and the greenhouse effect – up to 900g of carbon dioxide is released per kilogram of limestone!

Green concrete, on the other hand, is manufactured from salvaged, refurbished, and remanufactured materials – generally slag, aggregates, and fly ash. It also may contain recyclable and reusable demolition waste, concrete aggregate, and blast furnace slag as well. Due to the presence of aggregates, the voids present are filled much more densely, thereby resulting in a much better packed substance. Not to forget, it can be produced with lesser energy and time, too.

Apart from improved cement binder utilization, green concrete is more stable, strong, and durable than regular concrete – it’s shrinkage is lesser as well! When prepared in optimum concentrations, the resulting mixture withstands more deterioration, and has a higher modulus of elasticity and strength per gram.

In a nutshell, green concrete is more user-friendly and can be handled with better consistency than concrete. The time to switch is now.

Fin.