

## **Application of Glass Cullet as Aggregates in Flowable Concrete with Fly Ash**

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### **ABSTRACT**

Approximately 170,000 tons of glass by-products are generated each year in Wisconsin. Numerous problems exist in glass recycling due to breakage of glass and, therefore, commingling of colors. Limited amount of total mixed glass generated is currently being recycled. Additionally, landfilling of mixed glass is prohibited by the Wisconsin Department of Natural Resources. Therefore, there is an urgent need to find constructive use options for post-consumer mixed color glass, oftentimes also referred to as glass cullet. Use of mixed glass in construction materials should provide a large outlet for it. One of the possible uses of such glass appears to be in manufacture of concrete or flowable slurry.