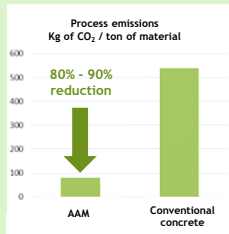


Green concrete

Alkali-activated materials (AAMs) are a class of mineral materials used to produce **green concrete**, making use of industrial wastes as their main raw-material.



Did you know?

500-800kg of CO₂ is produced for every 1ton of concrete

AAMs were developed to deliver a sustainable option for concrete, combining **performance** with **environmental concerns**.

How is green concrete obtained?

Recycling industrial wastes



Coal burning power stations



Steel production

Recycle

AAMs are similar to conventional concrete but show different chemical composition due to its constituents. New types of industrial wastes are being investigated with the help from **DuRSAAM** and will compose this class of materials in the following years.

AAMs

Preparing the recipe



RECYCLED WASTE



SODIUM HYDROXIDE



SODIUM SILICATE



AGGREGATE



AIR

AAM

Reuse



Recycling industrial wastes reduces extraction of natural resources and avoids release of excessive CO₂ to the nature.

Reduce