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## PhD Training Network on Durable, Reliable and Sustainable Structures with Alkali-Activated Materials



Traditional mix: Water 170 kg, Cement 350 kg, Aggregates 1850 kg

AAM mix: Activator 155 kg, By-products 380 kg, Aggregates 1850 kg

Better chemical resistance HigherSavesstrength525 kg rawmaterials

1 m<sup>3</sup>

Concrete

< kalt

Activated

Materials

Saves 245 kg CO<sub>2</sub>

## PROPERTIES

Workability Strength Durability Fire resistance APPLICATIONS

Concrete construction Strengthening concrete Seismic retrofitting High performance concrete Prefabricated elements

emission

Uses 544 kg of by-products

Uses 136 kg of recycled aggregates











