CrazyConcrete

6045 Coral Ave

Miami, FL 33157

Contractor

3021 Tiger Tale Rd.

Miami, FL 33256

Welcome Contractor,

CracyConcrete is a family owned company that is happy to call Florida home for the past 20 years. We are currently expanding our business and actively recruiting contractors. As you are aware, concrete and cement are typically used interchangeably. However, cement is actually an ingredient of concrete. Concrete is a mixture of sand (silicon dioxide, SiO2), gravel (aluminum oxide, Al2O3, and iron oxide, Fe2O3,), and crushed stone (CaO). Typically, concrete gets stronger as it gets older.

Cement makes up 15% to 20% of all concrete mixtures. The rest of the formula is lime stone and silica. We have outsourced to 4 different concrete distributors. CrazyConcrete is looking for the formula that has the best percentage distribution of sand, gravel and crushed stone.

Each provider has a different concrete formula. Could you evaluate the distribution of these mixtures? Design a method to rank the variables provided. Remember that we will be applying your procedure to future endeavors. Please be clear on the procedure you have designed, as we will be using it as a standard operation procedure, otherwise known as an SOP. Describe and document every decision that is made. Also, make sure that your method is reliable and reproducible.

Thank you,

CrazyConcrete