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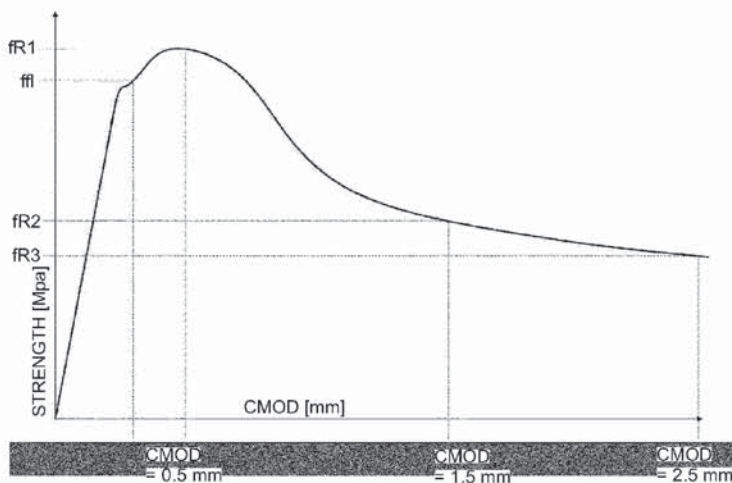
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- (54) Title: ADVANCED FIBER REINFORCED CONCRETE MIX DESIGNS AND ADMIXTURES SYSTEMS



(57) Abstract: A concrete mix comprising sand, fine aggregates, binder, fibers, and various admixtures, having a consistency from S2 to SF3, a compressive strength in the range of 30-80 MPa and a ductility represented by f_c , f_{fl} , f_{R1} and f_{R3} values, wherein the concrete mix contains at least 390 Kg of binder, the concrete mix comprises a paste volume of 300- 600 liters, the concrete mix contains at least two systems of fibers and a general admixture system that is composed of at least 2 sub-admixture systems.

Fig. 1

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