

UHPC

ULTRA HIGH

PERFORMANCE

CONCRETES

MAINTENANCE FREE



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High End of Durability Ultra High Compressive & Flexural Strength Polymer Concretetes

<u>Mix Designed Formulation</u>	Kg/ Cu mm
Portland Cements Type 1 ASTM C 150	375
Lignite Pulverized Fly Ash	150
Portland Fluodifier (1 % of Binder)	5.25
Portland Fiber (2 % of Binder)	10.5
Sand	535
Graded Di-abase Corse Aggregates*	1400
W/B Ratio 0.25	132
Compressive Strength (M Pa)	130 up
Axial Strength (M Pa)	115 up

*Loads are over the capability of calcium carbonate rocks. Di-abase or The Aluminum Silicates Type such as granite, basalt, pyrophyllite etc. are more suitable.