

CIVIL

ENGINEERING

STANDARD DATAS

Design Mix:

M10 (1 : 3.92 : 5.62)

Cement : 210 Kg/ M³

20 mm Jelly : 708 Kg/ M³

12.5 mm Jelly : 472 Kg/ M³

River sand : 823 Kg/ M³

Total water : 185 Kg/ M³

Fresh concrete density: 2398 Kg/M³

M20 (1 : 2.48 : 3.55)

Cement : 320 Kg/ M³

20 mm Jelly : 683 Kg/ M³

12.5 mm Jelly : 455 Kg/ M³

River sand : 794 Kg/ M³

Total water : 176 Kg/ M³

Admixture : 0.7%

Fresh concrete density: 2430 Kg/ M³

M25 (1 : 2.28 : 3.27)

Cement : 340 Kg/ M³

20 mm Jelly : 667 Kg/ M³

12.5 mm Jelly : 445 Kg/ M³

River sand : 775 Kg/ M³

Total water : 185 Kg/ M³

Admixture : 0.6%

Fresh concrete density: 2414 Kg/ M³

Note: sand 775 + 2% moisture, Water 185 -20.5 = 164 Liters,

Admixture = 0.5% is 100ml

M30 (1 : 2 : 2.87)

Cement : 380 Kg/ M³

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