



U BOX

Applications :

The U Shape Box is used to determine the confined flowability and the capacity of SCC concrete to flow within confined space.

Construction Details :

The apparatus consists of a vessel that is divided by a middle wall into two compartments; an opening with a sliding gate is fitted between the two sections. Reinforcing bar with nominal diameter of 12mm are installed at the gate with centre to centre spacing of 50 mm. This creates a clear spacing of 35 mm between bars. The left hand section is filled with about 20 liter of concrete and then the gate is lifted. As soon as the gate is lifted, the concrete flows upwards into the other section. The height of the concrete in both sections is then measured. In this test, the degree of compatibility can be indicated by the height that the concrete reaches after flowing through an obstacle. The quality of the concrete can be judged by the height reached.



Essential Accessories at extra cost as per following :

- 1) Scoop
- 2) Ruler
- 3) Stopwatch
- 4) Trowel

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GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F