concrete mix satisfied the specification. The blocks were tested at the age of 28 days with average compressive strength meeting the minimum requirement of 25 MPa, as suggested by Shackel (1990).

2.2 Test Setup

The tests of blocks were carried out in a rigid steel box with 1000 mm x 1000 mm square in plan. A reaction steel frame was used to apply vertical and horizontal load on the 12 mm (thick), 100 mm (width) and 200 mm (length) steel plate. The loading was applied vertically straight at the center of the block in the middle of the pavement sample as shown in Figure 1. Meanwhile, Figure 2 illustrates the horizontal loading test setup with load horizontally straight applied at the center of one side of pavement sample using hydraulic jack with load cell of 200 kN capacity attached.

![Figure 1: Grid line layout and push-in loading test point](image-url)