

BLOCK DENSITY

CHECKING BLOCK DENSITY

Check block density at least once for each batch of soil mixed. If the water content changes then the charge weight should be changed. Water content can change if too much water is added to the batch or if the soil or sand are wet.

UNIFORM BLOCK DENSITY

Use the penetrometer to ensure uniform compression throughout the whole block. Press the block and penetrate it in 6 places. If the penetrometer penetrates to the same depth at all points it shows that the compression has been even and the block has an even density. If it penetrates to different depths at different points it shows that the block density is uneven. This is not desirable. The next time the press box is filled greater care should be taken to fill it evenly. Make sure that soil goes into the corners. Using the penetrometer will show us that we have filled the box evenly or not. This test can be done every day; once per batch.



Use a penetrometer to check blocks in 6 places to make sure the density is the same.