

Abstract

Riser Tee

The present invention relates to the joint piping field, Riser Tee. The present invention provides solutions for buildings facing common issues which are water leaking and clogged waste pipes, during the construction and use stages. In the meanwhile, the present invention also increases the efficient working process during the construction stage significantly.

First, the water leaking issue during the construction stage of the waterproofing test process breaks the waterproofing membranes, and the fills in the cement process presses the riser tee causing relocation and rupture. In the use stage, water leaks into the tile and penetrates the mortar to form the concealed water that stagnates, wears out the waterproofing membrane and leaks on the conjunction of the basin, aircon and other pipes integrate into the riser tee. Second, the clogged waste pipes issue was made during the construction stage the debris, waterproofing membranes, mortar and etc, fell from screeding.

The present invention designed the 1st tier of a circular ditch on the top of the mouth, the 2nd tier of circular teeth on the top of the mouth, the 3rd tier of a circle in the middle of the riser tee, the 4th tier of a circular base on the bottom, and the 5th tier of 4 conjunctions.

The 1st tier of a circular ditch provides a solution for the clogged waste pipes issue that was made during the construction stage the waterproofing membranes fell from screeding. The 2nd tier of circular teeth provides a solution for the clogged waste pipes issue that was made during the construction stage which is holding a pipe and block the mortar fell from screeding and drained out the concealed water. The 3rd tier of a circle provides a solution to prevent the grouting process presses the riser tee causing rupture. The 4th tier of a circular base provides a solution to prevent the grouting process presses the riser tee causing relocation. The 5th tier of 4 conjunctions provides a solution for plumbers in the construction stage which they do not need spend time to drilling holes for the basin, aircon, and other pipes to integrate to the rise tee and the integration did not do well and the result in water leaking on the using stage.