



LEGEND:
 * Exceeds allowable limits. DO NOT USE.

- CLASS 2 PIPE
- CLASS 3 PIPE
- CLASS 4 PIPE

- Notes:**
- When using a pedestrian vibrating plate the minimum compacted fill is 125mm for all pipe classes and trench types
 - The graphs and diagrams shown are for guidance only. For special applications of for applications not shown on the drawing refer to AS/NZS3725-2007 or use the CPAA pipe selection software PipeClass.
 - Widening of the trench beyond that shown on the drawing will increase the load carried by the pipe and will require a review of pipe class and trench filling method.
 - The pipe cover shown on the graphs refers to compacted depth.
 - To obtain sufficient compaction you may have to use shallower fills and initially use a lighter roller.

Question: Given use of 2t trench roller, pipe class 2, size 450mm pipe, trench type H2 and compaction factor 15%. How much minimum cover is required so as not to damage the pipe during laying?
Answer: Graph for vibratory trench roller (up to 2t) for Class 2, 450mm diameter shows that 400mm compacted cover is required. From this follows that the loose fill required is $(100/(100-15)) \times 400 = 470\text{mm}$