

---

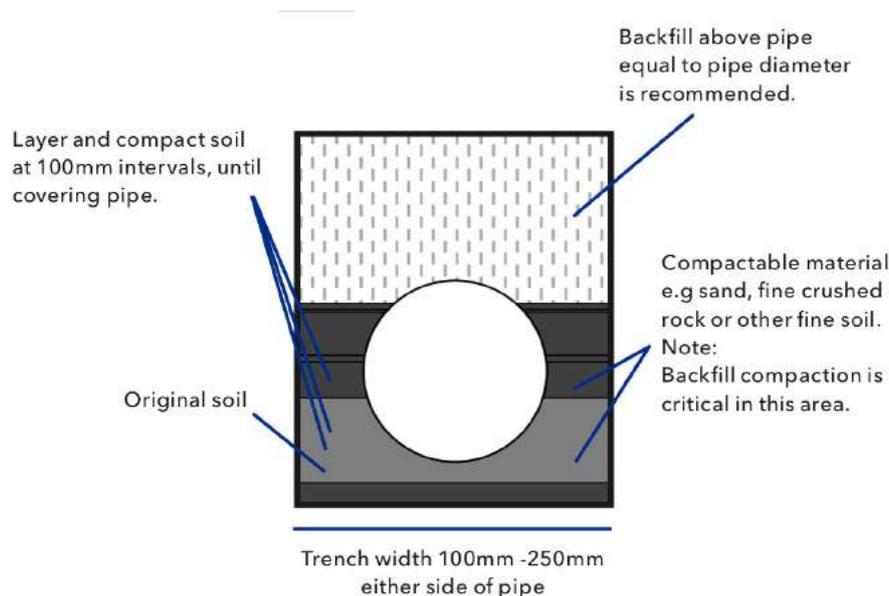
# INSTALLATION AND BACK FILL GUIDE

RPM pipes are defined as flexible pipes designed to deflect slightly when vertical loads are applied and be supported by the surrounding soil pressure. The Australian Standard AS/NZS 2566.2 "Buried Flexible Pipelines Part 2: Installation" provides detailed information on appropriate methods for ensuring the side support zone, in particular, is correctly constructed.

Deflection is controlled primarily by the quality of the installation, the selection and compaction of the bedding material that surrounds the buried pipe. Appendices 'G' and 'H' of AS/NZS 2566.2 provide guidance on the selection, grading and compaction of a range of bedding materials. Crushed rock, aggregate and graded sand are recommended, other similar materials may also be able to be used if they are free flowing and are suitable to be compacted according to AS/NZS 2566.2 recommendations. For best installation results when using RPM pipes, aggregates between 7-5mm with a maximum of 10mm for pipe diameters of 315mm to 630mm should be used.

Trench width should be a minimum of 100mm either side of the pipe up to a maximum of 250mm for pipe diameters of 315mm to 630mm.

AS/NZS 2566.2 provides specific information for minimum cover depths for a range of loading and uses. As an indication, a general rule for use of buried flexible pipe with heavy loads is that the diameter of the pipe is the minimum depth of the "cover" (depth of the overlay zone + depth of the trench fill zone) required.



Limitation of Liability | No liability will be accepted by RPM Pipes nor is any guarantee, warranty or undertaking given or implied in respect of any act or omission by RPM Pipe in respect of any injury, loss or damage suffered by a customer for, or user of, RPM Pipe Products, which may in any degree be attributed to the use of such products or their installation and testing, or to the adoption or use of data, design, materials or advice given by RPM Pipe as to the use of these products or their installation or testing, and notwithstanding any want of care on the part of RPM Pipe in compiling or giving any such advice or information.