

Minimum Backfill Cover for 1400.6.10000

(for Installation with Traffic Loads)

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This is in reply to the above-referenced subject:

The issue of minimum backfill cover is defined by the type of soil for every particular installation.

Generally, the minimum backfill cover recommended for traffic loading, assuming a pipe zone backfill soil modulus ($E'b$) of 6.9 MPa or higher is: <<1.0m >>

In situations where pipes are to be buried under a roadway, or continuing traffic loading is anticipated, the backfill material should be compacted to grade level. Consult local road construction codes of practice. Minimum cover restrictions may be reduced with special installations such as concrete encasement, concrete cover slabs, casings, etc.

Without Concrete Encasement, with concrete cover slab

Minimum Backfill Cover: 650mm

Backfill Materials: Pea Gravel or crushed gravel size range, 3mm to 12mm.

With Concrete Encasement

Minimum Backfill Cover: 300mm, using approved backfill material

Thank you and best regards,



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GRP Specialist



Minimum Backfill Cover