

INSTALLATION INSTRUCTION

RESLO-20

TRENCH INSTALLATION

The application of RESLO-20 (20 kg) to a typical earthing system installed in a trench, which consists of rods, tapes or conductors (Electrodes) involves the following steps.

1. Dig a trench to the recommended dimensions as detailed in the attached drawings.
2. Saturate the entire area by dousing with water.
3. Mix 5 kg of RESLO-20 with 5 litres of water adding only a little at a time at the start to ensure a paste like consistency then gradually making the mix thinner with the addition of small amounts of water until the entire 5 litres is added (note avoid large lumps in the mix that become hard to dissolve by only adding a minimum of water until a smooth paste is created after which water can be added in larger portions). The mixing of RESLO-20 and water is best done in a cement mixer or in a wheelbarrow or large bin with the aid of a mixing rod or mechanical agitator to correctly mix the water and the RESLO-20.
4. Pour a thin layer of RESLO-20 into the bottom of the trench.

5. Place all electrodes into position as required.
6. Immediately pour mix directly onto a 1.25 m length of electrode
7. Repeat steps 4 & 5 for every additional 1.25 m length of electrode until entire trench has been applied with RESLO.
8. Backfill the remainder of the trench with the excavated soil.

Note: If the excavated soil is of poor quality eg. clay rock or shale, it should not be used and garden loam or sand should be used as a replacement.

RECOMMENDED BAGS OF RESLO-20 REQUIRED FOR BACK-FILLING TYPICAL TRENCH INSTALLATIONS

Width of Trench (mm)	Length of Trench 5 m	Length of Trench 10 m
300 mm	1	2

For trench dimensions outside of the given specifications please contact LPI or an authorised distributor for further advice.

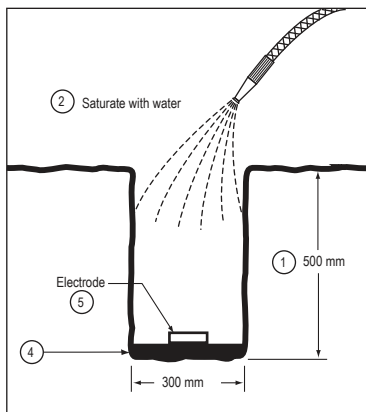


Figure 1

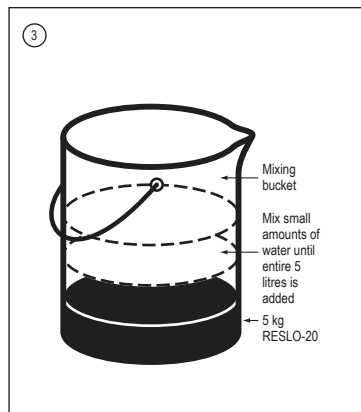


Figure 2

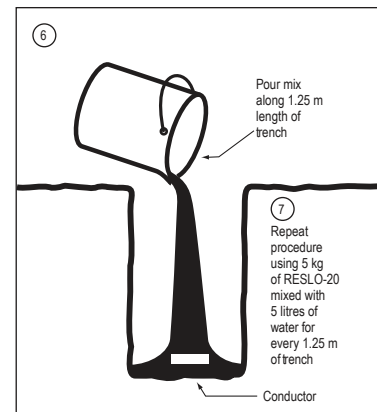


Figure 3

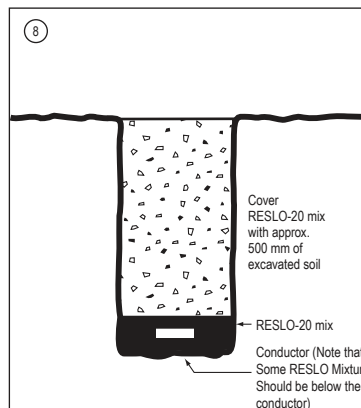


Figure 4

INSTALLATION INSTRUCTION

RESLO-20

EARTH ROD INSTALLATION

The application of RESLO-20 (20 kg) for a driven earth rod involves the following steps.

1. Drill or auger a 75 mm (approx.) diameter hole to a depth of 150 mm less than the length of the rod to be installed.
2. Saturate the hole by dousing with water.
3. Place the earth rod into a central position in the hole and drive the rod 300 mm if possible into the soil at the bottom of the hole. The top section of the earth rod should now be approximately 150 mm below the lip of the hole.
4. Mix 5 kg of RESLO-20 with 5 litres of water adding only a little at a time at the start to ensure a paste like consistency then gradually making the mix thinner with the addition of small amounts of water until the entire 5 litres is added (note avoid large lumps in the mix that become hard to dissolve by only adding a minimum of water until a smooth paste is created after which water can be added in larger portions). The mixing of RESLO-20 and water is best done in a cement mixer or in a wheelbarrow or large bin with the aid of a mixing rod or mechanical agitator to correctly mix the water and the RESLO-20.

5. Immediately pour mix directly into augured hole.
6. Repeat steps 4 and 5 in accordance with recommended number of applications of RESLO-20 as per the attached table.
7. Backfill the remainder of the hole with the excavated soil.

RECOMMENDED BAGS OF RESLO-20 REQUIRED FOR BACKFILLING EARTH ROD INSTALLATION

Dia. of Hole (mm)	Depth of Hole (mm) 1800 mm	Depth of Hole (mm) 2400 mm	Depth of Hole (mm) 3000 mm
75 mm	0.5	0.5	0.5
125 mm	1	1	1.5
175 mm	1.5	2	2.5

For augured hole dimensions outside of the given specifications please contact LPI or an authorised distributor for further advice.

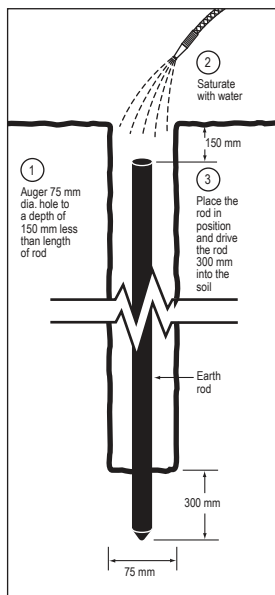


Figure 1

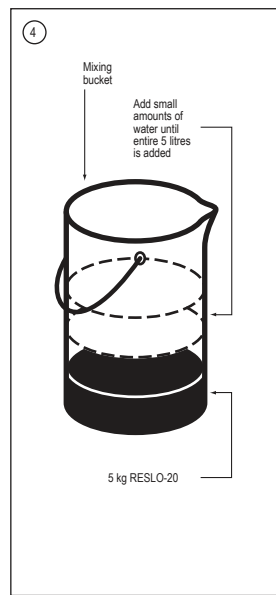


Figure 2

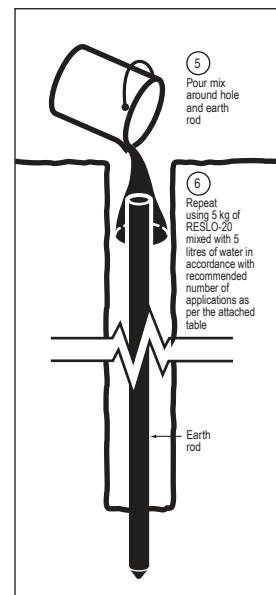


Figure 3

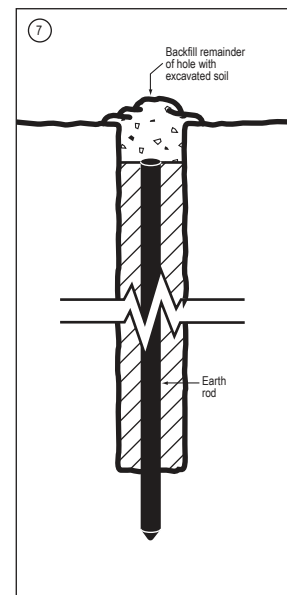


Figure 4