

SPECIFICATIONS FOR EARTH SLAT

FOREWORD

This specification has been prepared by the Research and Development Department of REREC and the Design & Operations Departments of REREC. It lays down requirements for PVC Channel (Earth Slat). It is intended for use by REREC in purchasing the items.

It shall be the responsibility of the manufacturer to ensure adequacy of the design and good engineering practice in the manufacture of the PVC Channel for REREC. The manufacturer shall submit information which confirms satisfactory service experience with products which fall within the scope of this specification.

1. SCOPE

This specification is for PVC Channel size 1800 x 12.7mm (6 ft x ½ in) for use to cover and protect the section of a cable/earth conductor along the pole on power lines.

2. REFERENCES

N/A

3. TERMS AND DEFINITIONS

N/A

4. REQUIREMENTS

4.1 SERVICE CONDITIONS

The PVC Channel shall be suitable for continuous use outdoors in tropical areas in humidity of up to 90%, average ambient temperature of +30°C with a minimum of -1°C and a maximum of +40°C and saline conditions along the coast.

4.2 DESIGN AND CONSTRUCTION

- 4.2.1. The PVC Channel shall be used outdoors to cover and protect the section of copper earth conductor along the pole on power lines. It shall be black in colour.
- 4.2.2. The PVC Channel shall be made of Poly-Vinyl-Chloride (PVC) material suitable for service conditions specified in 4.1 above. The minimum thickness at any point shall be 2mm.
- 4.2.3. The PVC Channel shall have holes spaced at 300mm centres on either side for fixing on the pole by use of clout nails (1"). The cross-section and general appearance shall be in accordance with figures 1 and 2 below.
- 4.2.4. The PVC Channel shall be 1800 x 12.7mm (6 ft x ½ in) suitable for conductor of 12.3mm overall diameter.

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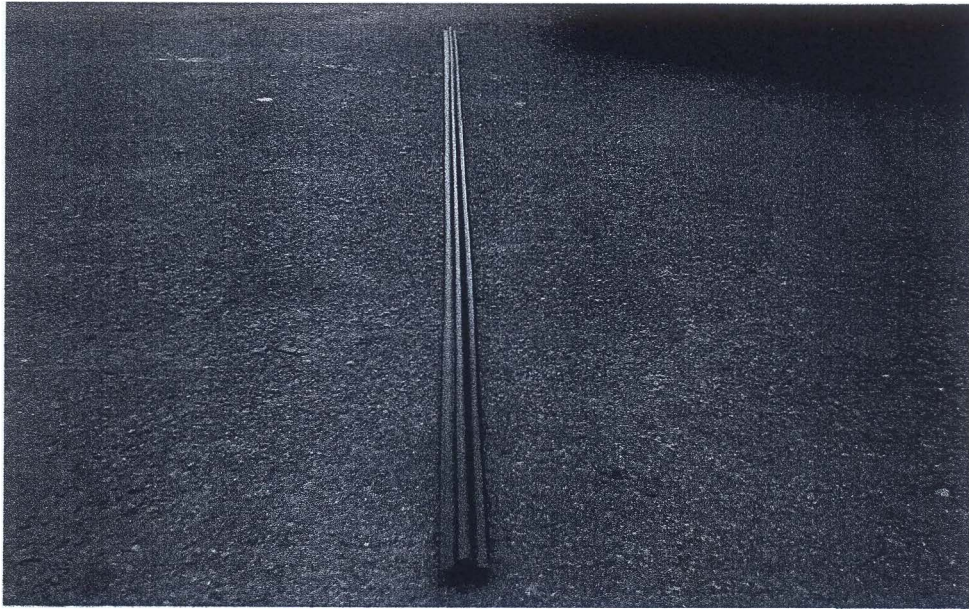


Fig 1: PVC Channel (Earth Slat)

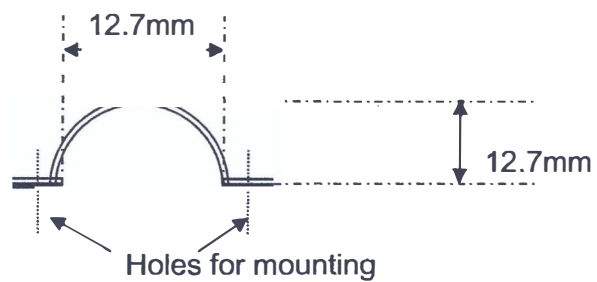


Fig 2: Earth Slat Cross-Section – minimum material thickness: 2mm, length 1800mm

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5 TESTS AND INSPECTION

- 5.1 Certified true copies of previous test reports by the relevant National Testing/ Standards Authority of the country of manufacture (or ISO/IEC 17025) accredited laboratory) shall be submitted with the offer for evaluation (all in English Language).
- 5.2 Routine and sample test reports for the PVC Channel to be supplied shall be submitted to REREC for approval before delivery of the goods.

6 MARKING AND LABELLING

The following information shall be marked indelibly and legibly on the PVC Channel.

- i) Manufacturer's Name or Trademark;
- ii) Dimensions;

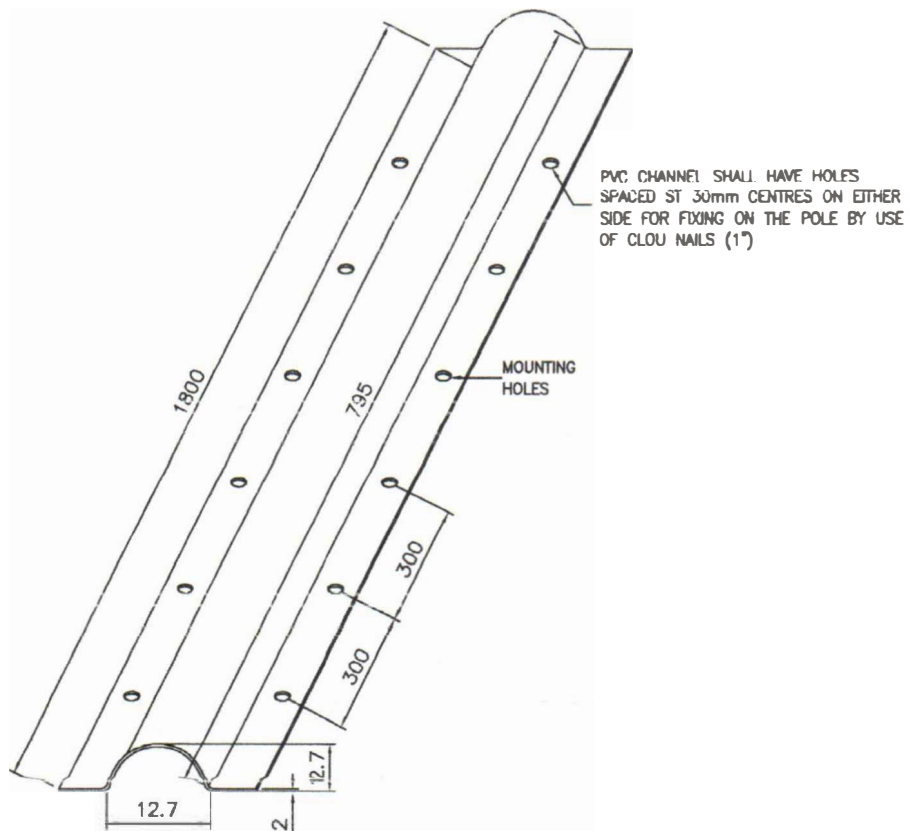


FIG 3. DRAWING OF EARTH SLAT