

DATASHEET

CATEGORY: APLICEM
 NAME: **APLICEM. Conductive cement (11.7kg bags)**
 REFERENCE: **AT-034L**



PRODUCT DESCRIPTION

APLICEM. Conductive concrete in 11.7 kg bags.



APLICEM increases the conductive surface of the earth electrode, reducing the earthing resistance of the loose electrode.

Additionally, resistance remains stable regardless of soil moisture

Therefore, costs are reduced as it requires fewer boreholes for appropriate resistance.

Moreover, as it is an inert material, it prevents any corrosion forming on the electrode.

DATASHEET

Reference	AT-034L
Dimensions	690 x 300 x 160 mm
Weight	11700 g
Standards	Complies with UNE 21186, NF C 17-102, IEC 62305

INSTRUCTIONS

> INSTALLATION

APLICEM ground enhancing cement is supplied in 11.7 kg bags, and is to be mixed with 5 litres of water. The bag contains two parts: the conductive mixture and the cement. The installation procedure is as follows:

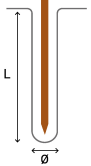
> Make the borehole with the required dimensions and mix the cement and the conductive mixture with water.

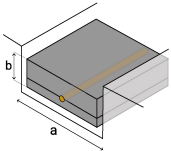
>For a vertical borehole , insert the electrode and fill the rest of the hole with APLICEM, stirring the electrode to ensure even coverage.

Table 1 shows the number of APLICEM bags needed for backfilling the vertical hole according to its diameter and depth

>For a trench , first cover the bottom of the trench with APLICEM. Place the conductor on the APLICEM layer and cover with another layer of the same thickness. Let the mixture harden before filling the rest of the trench.

Table 2 shows the meters of trench for each APLICEM bag according to its width (a) and to the total APLICEM layer thickness (b).

1		L (m)				
Ø (cm)	1,5	2	4	6		
7	2	2	4	4		
10	2	3	6	7		
15	5	5	13	15		
20	8	9	22	26		
25	12	14	34	40		

2		b (cm)				
a (cm)	2,5	5	7,5	10		
10	4,3	2,1	1,4	1		
15	2,8	1,4	0,9	0,7		
20	2,1	1	0,7	0,6		
25	1,7	0,8	0,6	0,4		
30	1,4	0,7	0,5	0,35		