

ZINACOR® 851

UTILIZATION

ZINACOR® 851 is a zinc alloy wire made out of 85 percent of high purity zinc and 15 percent of aluminium. This wire is used in case of electric arc gun spraying.

CHARACTERISTICS

	Guaranteed purity	Standard specification	Maximum contents of impurities (%)						
			Si	Pb	Fe	Cd	Sn	Cu	Zn
Z 100	99,99%	NF EN 1179	-	0,0050	0,003	0,0050	0,001	0,002	-
Aluminium	99,70 %	ISO 209-1	0,1	-	0,20	-	-	0,01	0,07

ZINACOR® 851 results from two closely linked phases which combine the best properties of zinc and aluminium:

- the zinc-rich phase retains all the intrinsic characteristics of this metal and guarantees the essential cathodic protection of steel;
- the aluminium-rich phase provides the coating with a greater chemical and mechanical stability as well as a higher resistance to thermal shocks.

Physical characteristics

Density 5,73 g/cm³
 Melting point 440°C (824°F)
 Electrical resistivity at 20°C 5,13 X 10⁻⁸ Ohm.m.

PACKAGING

The wires are available in diameters expressed in metric or English measures of 1,6 mm (.063") to 5 mm (.197"). Depending on the diameters, they are packed in coils or reels wrapped into a plastic film, in metal or fibre drums.

STORAGE

It is highly recommended to store in dry and well-ventilated rooms in order to avoid any damage caused by damp or dust.