

### Storage and handling recommendations for cored wires

Cored wire should be stored in conditions which prevent the accelerated deterioration of products or packaging. All cored wires should avoid direct contact with water or moisture. This could take the form of rain or the condensation of moisture on a cold wire.

Cored wires must be stored in dry conditions. The relative humidity and temperature should be monitored and the temperature should not fall below the dew point.

To avoid condensation, the wire should be kept in the original packaging and, if necessary, left to warm up to at least the ambient temperature before opening the package.

Other hydrogen-containing substances, such as oil, grease and corrosion, or substances that could absorb moisture must also be avoided on the wire surface.

Products must be stored in such a way as to avoid damage during storage.

## MMA Electrodes Chemical Composition

**Table 1** Fume analysis for MMA Electrodes where control of total welding fume to 5mg/m<sup>3</sup> will ensure that no constituent of the fume will exceed its own recommendation limit.

Fume Analysis (wt %)							
Electrode	Fe	Mn	Ni	Cr	Cu	Pb	F
Celtian	40	3,5	0.1	<0.1	0.2	0.1	-
Ferex 7016	12	5	<0.1	0.1	<0.1	0.1	13
Ferex 7018LT	20	5	0.1	<0.1	<0.1	0.4	18
Fortex 7018	13	6	0.2	<0.1	0.1	0.4	16
Mirrospeed	30	7	0.1	<0.1	0.1	0.1	-
Satinex	27	7	<0.1	<0.1	0.1	<0.1	-
Super Fastex	21	5	<0.1	<0.1	<0.1	<0.1	-
Vodex	35	5	<0.1	<0.1	0.1	0.1	-
Vortic Marine	40	5	0.1	0.1	0.1	0.1	-
Zodian Universal	30	7	0.1	<0.1	0.1	0.1	-

**Table 2** Fume analysis for MMA Electrodes where the fume contains hexavalent chromium compounds for which a long term exposure limit of 0.05mg/m<sup>3</sup> is included in Guidance Note EH40.

Fume Analysis (wt %)							
Electrode	Fe	Mn	Ni	Cr	Cu	Pb	F
Armoid 1	12	6	1	4	0.1	0.1	11
Nicrex E308L	6	3	0.4	5	<0.1	0.1	4
Nicrex E312	12	12	1.5	12.5	<0.1	0.1	10
Nicrex E316L	6	3	0.6	4	<0.1	0.1	7