

Product Specification Sheet

Product	Ultrastrong (patent No. 2231448)
Part Number	Various

Description:

An aluminium foil laminate with purity not less than 99.5% having a minimum thickness of 9 microns and a width of 50mm shall be laminated in between 2 layers of inert plastic material. The bond for this lamination is to be made with a 2 part self-curing adhesive which withstands a hot melt bonding temperature of 180c without delamination. The lamination bond must also be water-resistant.

The above laminate is then laid onto an embossed extruded sheet of low-density polyethylene of not less than 500 microns thick. The width of this base layer of polyethylene shall be not less than 100mm.

Over the top of the aluminium foil, the final layer of inert virgin grade lead free polyethylene film of 100 microns thickness is bonded. The bond shall be complete over the full width of the embossed layer. The upper most surface of the film shall be printed as per customer's specification.

Appearance	
Base layer colour	Black (lead free pigments)
Top tape colour	Various (lead free pigments)
Print colour	Various (resistance to ground chemicals)

Dimensional Characteristics	
Thickness (mean)	600 mu
Roll Width	100mm, 150mm, 300mm

Technical Characteristics		
Elongation @ break	300%	ISO 10319
Breaking Strength	50kg/100mm width	
	75kg/150mm width	
	150kg/300mm width	

Application
The tape should be laid approximately half way between the ground level and the depth of the buried pipe or cable. Once buried this tape alerts excavation crews to the imminent danger and allows instant identification of the buried service.
The aluminium foil element enables the tape to be easily located by both induction and direct connection using any of the standard cable locator / signal generator sets.

Connection and Termination of Rolls
If two lengths of Ultrastrong tape are laid one over the other for a distance of about half a metre, the signal will "jump" by induction from one length into the next. However a much better connection will be made if a direct electrical connection is made using the Ultracrimp or Boddingtons termination clamp to puncture the polyethylene and aluminium foil and ensure good connection.

All of the above information is given in good faith, but the figures are approximations only and should not be regarded as maximum or minimum values for specification purposes. The Company reserve the right to improve the product and adjust the specification without notice.