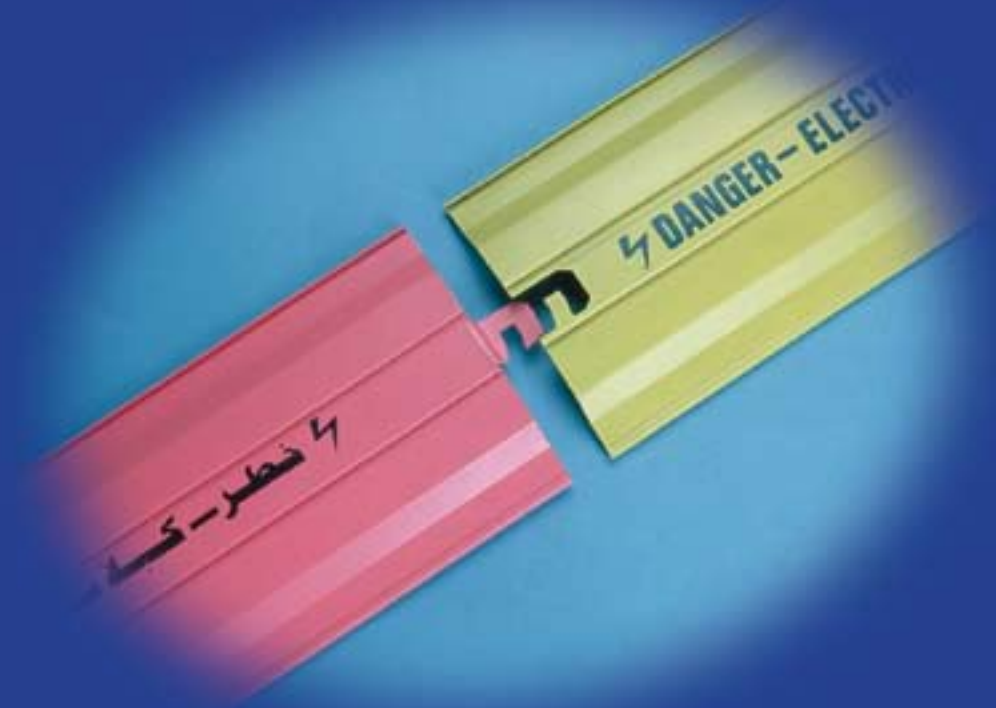




INTERGGARD

CABLE PROTECTION SYSTEMS





Rigid PVC Cable Tiles

INTERGARD rigid PVC cable tiles are specially profiled with lengthwise rigidity, and are manufactured from extra tough super high impact PVC compound which is suitable for use in all ground conditions. Being bright, self coloured and robust, INTERGARD tiles are particularly suitable as protective and warning markers for buried electrical and telecommunication cables as well as for underground water or energy pipelines.



PVC CABLE TILES

Item code	Standard Size(mm)		
	Width	Length	Thickness
IPV 1L	150	1000	2.0
IPV 1M	150	1000	2.5
IPV 1H	150	1000	2.7
IPV 1V	150	1000	4.0



PVC CABLE TILES

Item code	Standard Size(mm)		
	Width	Length	Thickness
IPV 2L	200	1000	2.0
IPV 2M	200	1000	2.5
IPV 2H	200	1000	2.7
IPV 2V	200 </td <td>1000</td> <td>4.0</td>	1000	4.0

FEATURES

- ⚡ Light weight for very easy transportation, handling, storage and installation
- ⚡ Specially designed shape for lengthwise rigidity
- ⚡ Made from rigid PVC which is resistant to ground chemicals
- ⚡ Self coloured for permanent bright colouration, enhancing visibility
- ⚡ Clearly printed with identification, instruction or warnings
- ⚡ Mortice and tenon joint allows for very strong longitudinal interlock
- ⚡ Design also allows lateral joining to cover a wider area of protection when required
- ⚡ Standard colours are RED or YELLOW but manufacturing flexibility allows colour, printing and length to be made to order
- ⚡ Ex-stock
- ⚡ Compliance with the impact strength requirements of British Standard 2484 : 1985

Polyethylene Cables Tiles & Boards

INTERGARD polyethylene cable tiles and boards constitute a cable warning, protection and marker system for use in all ground conditions. Being extremely tough and long lasting they offer ideal protection to all underground services. Each tile is supplied with a peg allowing strong longitudinal joining for uninterrupted protection. INTERGARD polyethylene tiles and boards are extremely tough and do not tend to crack. They comply with the impact strength requirements for concrete tiles to BS 2484.



POLYETHYLENE CABLE TILES(LDPE)

Item code	Width (mm)	Length (mm)	Thickness (mm)
IPE 1	240	1000	6
IPE 2	240	1000	9
IPE 3	240	1000	12



POLYETHYLENE WARNING BOARDS(HDPE)

Item code	Width (mm)	Length (mtr)	Thickness (mm)
IWB 1/2	150	50	2
IWB 1/3	150	50	2.5
IWB 2/2	200	50	2
IWB 2/3	200	50	2.5

FEATURES

- ⚡ Manufactured from polyethylene (HDPE/LDPE) for unmatched strength and durability
- ⚡ Light weight for very easy handling and installation
- ⚡ Clearly printed with identification, instructions or warnings, on bright red or yellow base colouration
- ⚡ Manufacturing flexibility allows colours and printing to be made to order
- ⚡ Available with simple but secure hole/peg joining system, giving a flexible but very strong joint
- ⚡ Special dimensions, up to 1 meter wide and up to 3 meters long can be produced to order
- ⚡ Ex-stock



Polyethylene Warning Tapes & Detectable Warning Tapes

INTERGARD warning tapes & boards ensure that excavating crews are alerted to the presence of electric cables, water pipelines, telecommunication cables and other service lines. Manufactured from polyethylene sheet, and are suitable for use in all soil conditions. Unfading colouration and clear printing with warning and identification text make them efficient warning markers.



WARNING TAPES

Item code	Width	Thickness	Roll Length
	mm	microns	Mtrs
IWP 1	100	100	365 or 500
IWP 2	150	100	365 or 500
IWP 3	250	100	365 or 500



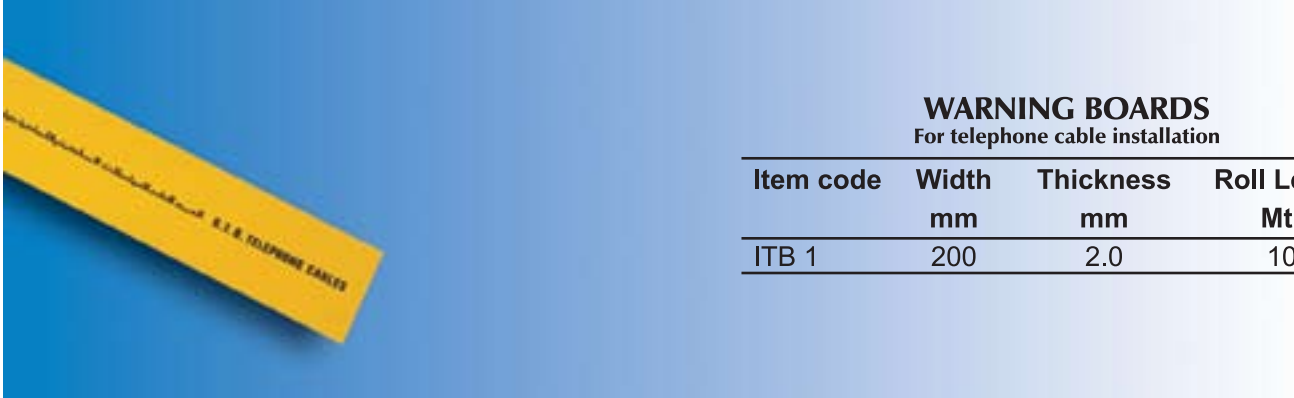
DETECTABLE METAL BACKED WARNING TAPES

Item code	Width	Thickness	Roll Length
	mm	microns	Mtrs
IWP 1-M	150	150	250
IWP 2-M	250	150	250
IWP 3-M	300	150	250

FEATURES

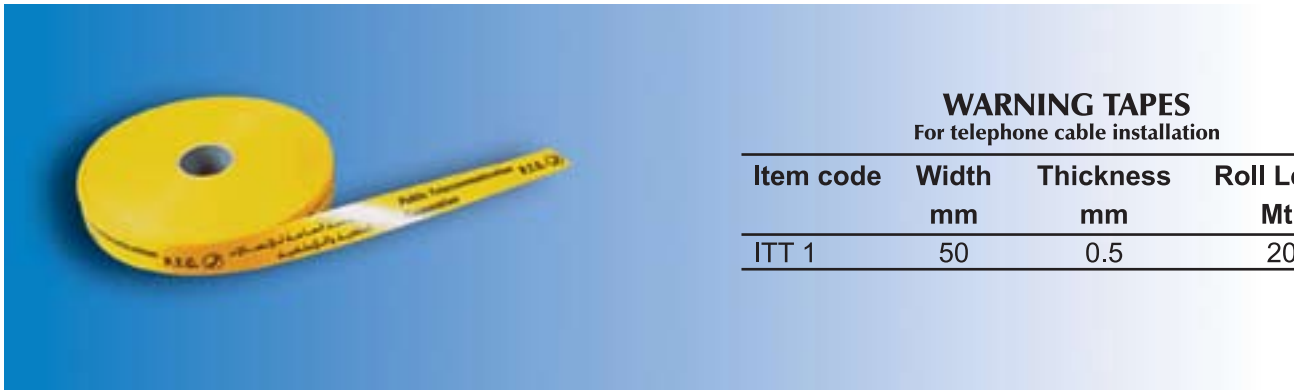
- ⚡ Made from low density polyethylene for toughness and long life
- ⚡ Supplied in rolls which are easy to handle and lay
- ⚡ The material is integrally pigmented for bright, permanent colouration
- ⚡ Available in red, yellow, blue or white standard colours depending on the application
- ⚡ Resistant to chemicals from an acidic value of pH 2.5 to an alkaline value of pH11
- ⚡ Clear, legible printing can be offered according to customers specifications
- ⚡ Manufacturing flexibility allows special widths, thickness, or roll lengths and colours to be produced to order
- ⚡ Ex-stock

Polyethylene Warning Tapes



WARNING BOARDS For telephone cable installation

Item code	Width mm	Thickness mm	Roll Length Mtrs
ITB 1	200	2.0	100



WARNING TAPES For telephone cable installation

Item code	Width mm	Thickness mm	Roll Length Mtrs
ITT 1	50	0.5	200

TECHNICAL SPECIFICATIONS



Cable Protection Systems

Rigid PVC Cable Tiles

MATERIAL SPECIFICATIONS			
PROPERTY	TEST METHOD	UNITS	VALUE
Density	-	Kg/m ³	1,400
Tensile Strength	BS 2782 (320C)	N/mm ²	48
Elongation At Break	BS 2782 (320C)	%	120
Impact Strength	BS 2782 (359)	KJ/m ²	260
Linear Expansion Coeff.	ASTM D 696	mm/m ^o C	7x10-5
Hardness	DIN 53505	Shore D	82

Polyethylene Cables Tiles

MATERIAL SPECIFICATIONS			
PROPERTY	TEST METHOD	UNITS	VALUE
Density	-	Kg/m ³	930
Tensile Strength	BS 2782 (320C)	N/mm ²	8.4
Elongation At Break	BS 2782 (320C)	%	230
Impact Strength (Dart)	ASTM D 3029	Kg	5.0
Linear Expansion Coeff.	ASTM 696 - 79	mm/m ^o C	0.2
Flexular Modulus	BS 2782 (335A)	Mpa	280

Polyethylene Cables Warning Boards & Tapes

MATERIAL SPECIFICATIONS			
PROPERTY	TEST METHOD	UNITS	VALUE
Density	-	Kg/m ³	920
Tensile Strength	ASTM D 882	Kg/cm ²	195
Elongation At Break (Longitudinal)	ASTM D 882	%	350
Elongation At Break (Transverse)	ASTM D 882	%	500
Tape Breaking Strength			
100 mm Width		N	1.95
150 mm Width		N	2.92
250 mm Width		N	4.87