



## **SAFETY DATA SHEET**

ProSolve™ Detectable Mesh

### **CONFORMITY**

ProSolve manufactures and tests this product to comply with BS EN12613:2021

Our range of underground warning mesh is manufactured to this European norm. The ProSolve technical dept ensures consistent quality and standards which are maintained to conform to BS EN 12613:2021

### **PRODUCTS**

Electric Cable (PVMESHELECT)

Fibre Optic Cable (PVMESHFIBREO)

Gas Pipe (PVMESHGAS)

Sewer Pipe (PVMESHSEWER)

Street Lighting Cable (PVMESHSTREETLT)

Water Pipe (PVMESHWATER)

### **DESCRIPTION**

A plastic mesh used to help detect the presence of a underground pipe.



## MESH STRUCTURE

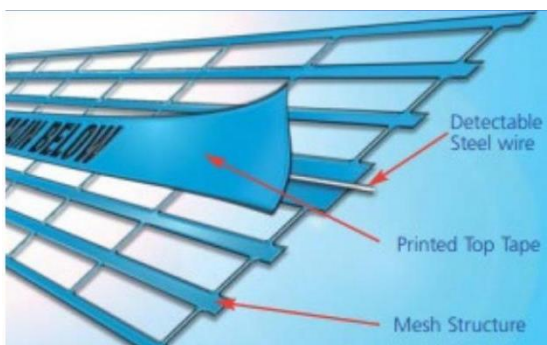
230mm x 100m

100% virgin HDPE material with anti-UV.

Weight of HDPE: 60gsm

Detectable steel wire is 304 grade stainless steel, 0.4~0.5mm diameter

Printed area on tape: 50mm width, 100m length



## TEST REPORT DETAILS



These test details are in reference to EN 12613:2021

**Device tested:** Type 2 mesh manufactured from plastic to warn of the presence of underground cables or pipes during excavation.

TEST	RESULT
<b>Appearance and Colour Fastness</b> The appearance, colouring and marking of the warning device shall not exhibit any change when tested in accordance with tests. Tested to EN ISO 175.	PASS (all colours)
<b>Dimensions</b> The width of the Type 2 warning device strand should be $\geq 2\text{mm}$	PASS (all colours)
<b>Tensile withstand strength</b> The Type 2 warning device shall withstand a load of 300N during 1 min in longitudinal direction without starting to separate of any weak points (if any) and shall not exhibit a reduction of more than 20% of its width after removal of the load.	PASS (all colours)
<b>Flatness</b> When tested the warning device shall not exhibit a gap between any point of the warning device and surface of more than width divided by 4. Test is a 10m long section is spread on a flat surface without stretching for 60 seconds.	PASS (all colours)
<b>Visual warning characteristics</b> When tested (using a simulated trench and excavator bucket) the warning device left a single part greater than 200mm outside of the simulate bucket, and this visible piece was greater than 2mm in width.	PASS (all colours)
<b>Resistance to UV-light</b> The warning device conforms to EN ISO 4892-1 and its subsequent parts.	PASS (all colours)
<b>Resistance of printing</b> The warning device conforms to EN 60898-1:2019, 9.3.	PASS (all colours)



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#### **IMPORTANT NOTICE**

**All statements, technical information and recommendations are based on tests we believe to be reliable as at the date of hereof, but the accuracy or completeness thereof is not guaranteed. Please ensure before using the product that it is suitable for your intended use. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, other than for fraudulent misrepresentation, ProSolve expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.**

**BEFORE USE, CONSULT THE SAFETY DATA SHEET OF THE PRODUCT.**