

MULTI UTILITY INSULATION

TECHNICAL DATA - INSULATION EXPANDED POLYSTYRENE

Expanded Polystyrene (EPS) is widely recognised as a highly cost-effective construction and building material. Due to its exceptional load bearing, it is used in civil engineering projects like embankments for road construction and bridge work, etc. The insulation also offers outstanding benefits in construction projects. The performance of the insulation will not degrade over time, ensuring full thermal efficiency across the lifetime of the building.

Using EPS as insulation for pipework is a fairly new phenomenon, however doing it correctly it will provide you with a super-insulated pipe network.

LOWER CARBON FOOTPRINT



MAIN BENEFITS OF USING EPS AS INSULATION FOR UNDERGROUND PIPEWORK:

LIGHT WEIGHT:

- 2% expanded polystyrene and 98% air
- Easy to handle

ENVIRONMENT:

- Non-toxic, biological inert and contains no CFCs or HCFCs
- Reusable
- Recyclable up to seven times

VERSATILE AND DURABLE:

- Adaptable; easy to cut and adjust
- Does not support fungal, bacteriological or animal growth
- Non-hydroscopic*
- Rot-proof**

SPECIFICATION	STANDARDS	UNITS	EPS S200
CE Approval code	NS/SS/EN 13163		F305433, F311433-1
Thermal conductivity, Lambda value (λ)	NS/SS 12667 el. NS/	W/mK	0.034
Water absorption, by immersion	NS12087	vol. %	2-3%
Compressive stress, short-term load	NS826	kPa	≥ 200
Compressive stress, long-term load 3 % total deformation 50 yrs	SS/EN1606	kPa	≥ 70
Density		Kg/m ³	30
Euroclass			F
Block length		m	2.40
Max temperature		C	80
BRE Rating	BRE		A+

