

# THERMAL SURFACES

Surface Heating & Cooling Specialists

## UNDERFLOOR HEATING AND COOLING PIPE



Thermal Surfaces underfloor heating and cooling pipe is manufactured in the UK and has the following features.

- Guaranteed for 50 years, expected minimum life cycle of 100 years
- Polybutylene has markedly less embodied energy than almost all competing materials by virtue of the ease with which raw materials can be transported and the manufacturing process.
- The pipe is manufactured to, and performs to, all known European quality and performance standards. Including:  
BS EN ISO 9002  
BS 7291  
BBA  
BRITISH GAS  
WRAS
- The manufacturing of polybutylene pipe has significantly less environmental impact in terms of energy usage and emissions than is the case for metal pipe systems and other plastic pipes.
- Recycling of polybutylene is possible because the molecular structure of the material is not altered by the production process. Any 'clean' production waste during the manufacturing process is reworked and added back to the production process in accordance with EN 15876
- Polybutylene pipe used in underfloor heating and cooling applications will almost always out-live the building. Pipe is installed within the fabric of the building in unjointed pipe-runs. Where polybutylene pipe is damaged, e.g. by building refurbishment, it may be repaired by a simple mechanical connector, which maintains the molecular integrity and performance characteristics on the undamaged pipe. The repair does not affect the guarantee of the pipe if the repair is carried out by a competent person and in accordance with Thermal Surfaces and the manufacturer's requirements.

