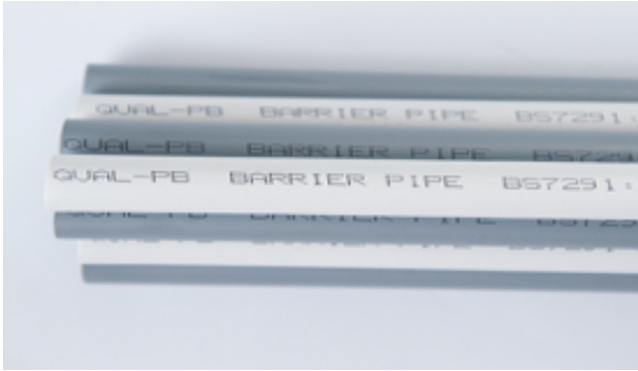


Easy-Lay Barrier Pipe

1) Product Description

Easy-Lay pipe is a 5-layer barrier (EVOH) pipe manufactured from polybutylene. Polybutylene is a high molecular weight polymer, manufactured by polymerizing butane-1 and is primarily used in hot water piping application's worldwide. Easy-Lay pipe has many advantages over metal and other plastic piping systems; corrosion, scale and electrolysis resistance; freezing tolerance, high temperature pressure carrying capabilities and ease of installation due to its flexibility. Polybutylene pipe thermally expands and allowances of 1% in length need to be taken into consideration when pipe is installed at 20C for use up to 82C during an installations. Easy-Lay barrier pipe is WRAS approved, BS 7291 Class S approved and guaranteed for 50 years.

Product Photographs – 15mm BS 7291 Approved Grey and White Easy-Lay



3) Easy-Lay Barrier Pipe - Applications and Service Conditions

Easy-Lay barrier pipe is certified and manufactured to the Class S service requirements of BS7291, the approved service conditions and applications of which are as follows:

BS 7291-1:2010

BRITISH STANDARD

Table 1 Class "S" service Conditions

Application	Nominal system flow temperature T_f °C	Maximum system service temperature T_s °C	System malfunction temperature T_m °C	System maximum working pressure ^{A)} bar ^{B)}
Indirect cold water systems	20	20	-	3½
Direct mains-fed cold water systems	20	20	-	12½
Subsurface heating systems	60	83	100	3½
Vented hot water supply systems	65	83	100	3½
Unvented hot water supply systems including instantaneous heaters and/or incorporating storage	65	95	100	6
Vented central heating systems and indirect hot water primary circuits	82	95	100	3½
Sealed central heating systems and indirect hot water primary circuits	82	105	114	3

Continuously operated re-circulating systems are excluded from these applications

^{A)} Where a nominal working pressure does not comprise an integer value, the mantissa is expressed in a fractional format. This is done to reduce the possibility of misinterpretation or obscurity that could cause a system to be subjected to an excessive pressure (see also 8.4).

^{B)} 1 bar = 10⁵ N/m² = 10⁵ Pa

4) Easy-Lay Guarantee Certificate

Easy-Lay barrier pipe (white and grey) is guaranteed for a period of: **50 years**

Provided Easy-Lay installation guidelines are adhered to, the pipe is guaranteed against any manufacturing defects for a period of 50 years.

For and Behalf of Pipelife UK Ltd

Paul Warren
Technical and Quality Control Dept.
January 10th 2020

