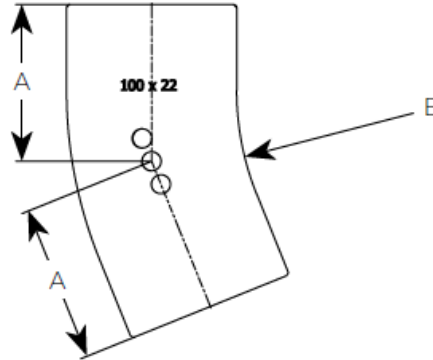


EF02L – 22° Long Radius Bend



Product code	Dia	A	B	WTKG
191548	100	90	180	2.0

General Description

22° Long Radius Bend

Technical Specification


- Product code:** See Table
- Standard:** BS EN 877: 1999/A1: 2006
- Material:** Cast Iron – BS EN 1561
- External Coating:** Red epoxy to an average thickness of 70microns
- Component Fire Rating:** A1
- System Fire Rating:** A1
- Water Temperature Rating:** 95° +/- 2° (Resistance to Hot Water in 24hr cycle constant)

Product Identification

1/9	0/6	0/9
DAY	MONTH	YEAR
Date of manufacture = 19th June 2009		

PAM ENSIGN®	
MADE IN UK	PAM
	BS EN 877
	KM 51733
	1-4
	CE : A1

CE Marking Certificate

 SAINT-GOBAIN PAM UK Lows Lane Stanton-by-Dale - Ilkeston Derbyshire DE7 4QU 08	
Unique identification code of the product-type: E001A Declaration of Performance N°DoP-001UK AVCP: 3 for reaction to fire (Range) 4 for all other characteristics	
EN 877:1999/A1:2008 Cast iron pipes and fittings, their joints and accessories for the evacuation of water from buildings ENSIGN S (Soil) Range Pipes, fittings and couplings DN 50-600	
Reaction to fire - Cast iron - Range	A1 A1
Internal pressure strength	Conform
Dimension tolerances	Conform
Impact resistance	Conform
- Mechanical properties (pipes)	
• Tensile strength	300 MPa (average value)
• Ring crush strength	450 MPa (average value)
• Brinell hardness	220 HB (average value)
Tightness	Conform
- Water tightness *	
Internal pressure	
DN ≤ 200	≥ 5 bar
DN = 200	≥ 3 bar
* excluded flexible couplings, joints connecting to sanitary ware ...)	
Durability	Conform
- External coatings	
• Pipes	Acrylic/Conform
• Fittings	Epoxy/Conform
- Internal coatings	
• Pipes **	Epoxy/Conform
• Fittings **	Epoxy/Conform
** including resistance to salt spray	