



Specification & Approvals

Pipe & Fittings product specification – EN877. WaterMark approval to EN877.

Materials

Pipe

Grey cast iron in accordance with ISO 185 – minimum tensile strength 200 mPa. Minimum ring crush strength 350 mPa (DN50 to DN200), 332 mPa (DN250 - DN300) as per EN877. Maximum Brinell hardness 260 HB.

Fittings

Grey cast iron in accordance with ISO 185–minimum tensile strength 150 mPa. Maximum Brinell hardness 260 HB.

Protective Coating

External & internal coatings as per EN877 section 4.6.

Pipe external coating

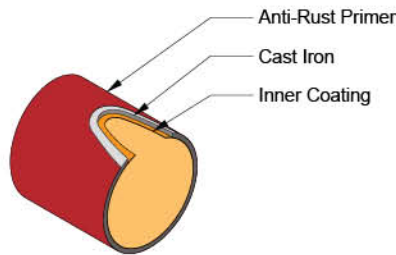
Anti-corrosive primer coating, red-brown color. Can be over coated to suit architectural or marking requirements.

Pipe internal coating

Two-part epoxy coating – ochre colour.

Fitting internal & external coating

Two-part epoxy coating or powder coating – red-brown colour.



PIPE COATING DETAILS

Dimensional Tolerances

Internal Diameter

- 0.975 DN for nominal sizes equal to or greater than DN70
- 0.955 DN for nominal sizes less than DN70

Ovality

The ovality of pipes shall remain within the tolerances of dimension 'A'

Straightness of Pipe

- The pipes shall be straight with a maximum deviation of:
- 0.15% of their length for nominal sizes greater than DN70
- 0.20% of their length for nominal sizes equal to or less than DN70

End faces

- Maximum deviation from right angle :
- 3° for nominal sizes DN50 to DN200
- 2° for nominal sizes DN250 to DN300

Sealing Zones

Minimum sealing zones for fittings refer to table.

Nominal Diameter (DN)	Pipe & Fitting Outside Spigot Dimension	
	'A' OD (mm)	Tolerance (mm)
70	78	+2.0, -1.0
100	110	+2.0, -1.0
150	160	±2.0
200	210	±2.5
250	274	±2.5
300	326	±2.5

Nominal Diameter (DN)	Minimum Sealing Zone of Fittings 'T'	
	'T' (mm)	'T' Tolerance (mm)
70	35	-5 mm
100	40	-5 mm
150	50	-5 mm
200	60	-4 mm
250	70	-4 mm
300	80	-4 mm

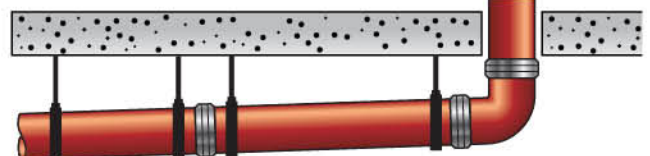
Markings

Pipe

- Manufacturers name or mark
- Date/period of manufacture
- "EN877"
- DN of product. Eg. "100"
- Third party approval. Eg. "Watermark"
- Markings applied at least once per metre of pipe

Fittings

- Manufacturers name or mark
- Date/period of manufacture
- "EN877"
- DN of product. Eg. "100"
- Third party approval. Eg. "Watermark"
- Design angle where applicable





Accoustic Properties



Cast iron has one of the lowest sound emission level of all materials used for drainage systems.



Accoustic testing ▶

Materials



The inherent strength of cast iron gives it superior resistant to crushing and makes it ideally suited for areas such as car parks. In car parks, stacks June not require costly protection barriers.

Outstanding Fire Resistance



Unlike man-made materials and copper, cast iron is extremely resistant to fire. It can withstand temperatures in excess of 1000C. In one documented case, a low-rise office complex was burnt out and rebuilt using the original pipe work. Only repainting and new seals were required.

The modular system, using spigot fittings with a rubber seal, greatly reduces heat transfer along the pipe, and requires no extra expense on fire collars or other protective material.

Outstanding Abrasion Resistance



Cast iron is proven to be more resistant to abrasion than other pipe material. Unlike other materials, cast iron can withstand decades of wear and tear, making it the most durable and cost-effective solution in the long term.

Installation

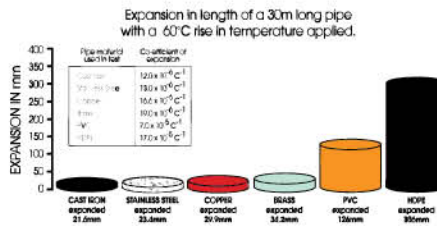


The Crevet LN® is one of the ultimate drainage solutions. It is light to handle and joint connections are made in next to no time. Add to the ease of adjustment and the versatility of being fully adaptable to all other drainage systems.

Lowest Expansion Rate



Cast iron pipe has one of the lowest expansion rates, it needs no expansion joints, thus eliminating the risk of system failure. Consequently, cast iron pipes are the preferred system in situations where space is at a premium and/or where pipes are in close proximity to other structures.



Environmentally Friendly



Crevet LN® is manufactured from cast iron which is a fully recyclable material.

