

PAM Building Holyhead Road Telford TF1 5AD

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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

> > BS FN 877-1999 + A1-2006

Cast iron pipes and fittings, their joints and accessories for the evacuation of water from buildings

ENSIGN (Soil) Range Pipes, fittings and couplings DN 50-600

Docation to fire

| Reaction to life | |
|---|---|
| - Cast iron | A1 |
| - Range | A1 |
| Internal pressure strength | Conform |
| Dimension tolerances | Conform |
| Impact resistance | Conform |
| Mechanical properties (pipes) Tensile strength Ring crush strength Brinell hardness Tightness | 300 MPa (average value) 450 MPa (average value) 220 HB (average value) Conform |
| Water tightness * Internal pressure | |
| | |

DN ≤ 200

≥ 5 bar ≥ 3 bar DN > 200

Conform

Epoxy/Conform

* excluded flexible couplings, joints connecting to sanitary ware ...)

Durability

- External coatings Acrylic/Conform Pipes Epoxy/Conform Fittings

 Internal coatings • Pipes **

Epoxy/Conform • Fittings ** ≥ 1500 h ** including resistance to salt spray



PAM Building Holvhead Road Telford TF1 5AD

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Unique identification code of the product-type: E001B Declaration of Performance N° DoP-002UK

> AVCP: 3 for reaction to fire (Range) 4 for all other characteristics

> > BS FN 877:1999 + A1:2006

Cast iron pipes and fittings, their joints and accessories for the evacuation of water from buildings

> **ENSIGN (Drain) Range** Pipes, fittings and couplings DN 50-600

Reaction to fire

| - Cast iron | A1 |
|----------------------------|-------------|
| - Range | A2 - s1, d0 |
| Internal pressure strength | Conform |
| Dimension tolerances | Conform |
| Impact resistance | Conform |
| | |

- Mechanical properties (pipes)

300 MPa (average value) Tensile strenath 450 MPa (average value) Ring crush strength 220 HB (average value) Brinell hardness

Conform

Conform

Tightness

- Water tightness * Internal pressure

> > 5 har DN ≤ 200 ≥ 3 bar DN > 200

* excluded flexible couplings, joints connecting to sanitary ware ...)

Durability

- External coatings

Acrylic and 130 g/m² Pipes of zinc/Conform Epoxy/Conform Fittings

- Internal coatings

Epoxy/Conform Pipes ** Epoxy/Conform • Fittings ** ≥ 1500 h

** including resistance to salt spray



PAM Building Holyhead Road Telford TF1 5AD

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Unique identification code of the product-type: E002A Declaration of Performance N° DoP-003UK

> AVCP: 3 for reaction to fire (Range) 4 for all other characteristics

> > BS EN 877:1999 + A1:2006

Cast iron pipes and fittings, their joints and accessories for the evacuation of water from buildings

EEZI-FIT Range Pipes, fittings and couplings DN 50-150

Reaction to fire

| - Cast iron | A1 |
|----------------------------|---------|
| - Range | A1 |
| Internal pressure strength | Conform |
| Dimension tolerances | Conform |
| Impact resistance | Conform |

- Mechanical properties (pipes)

300 MPa (average value) Tensile strenath 450 MPa (average value) Ring crush strength 220 HB (average value) Brinell hardness

Tightness

- Water tightness * 0.5 bar Internal pressure

* excluded flexible couplings, joints connecting to sanitary ware ...)

Durability

• Pipes **

- External coatings Pipes

 Fittings - Internal coatings

• Fittings ** ** including resistance to salt spray Conform

Conform

Acrylic/Conform Epoxy/Conform

Epoxy/Conform Epoxy/Conform

≥ 1500 h