

Statements below are relevant to:

- Waters & Farr polyethylene pipes for pressure applications manufactured in conformity with AS/NZS 4130.
- Waters & Farr polyethylene and polypropylene pipes for drainage and sewerage applications manufactured in conformity with AS/NZS 5065.
- Waters & Farr polyethylene ducting manufactured in conformity with dimensions of AS/NZS 4130.
- The above pipes designed, used, installed, and maintained in accordance with the requirements of AS/NZS 2566 and AS/NZS 2033, or in case of pipes for fuel gas applications, with the requirements of AS/NZS 4645.1 and AS/NZS 4645.3.

## NEW ZEALAND BUILDING CODE - DURABILITY

Clause B2: Durability (as applicable to the above listed pipes when correctly designed, used, installed, and maintained):

- Clause B2.3.1(a): no less than 50 years when being difficult to access or replace.
- Clause B2.3.1(b): no less than 15 years when being moderately difficult to access or replace.
- Clause B2.3.1(c): no less than 5 years when being easy to access or replace, including any above ground applications.

## LIMITATIONS and UNSUITABLE APPLICATIONS

Overall limitations:

- Performance properties and dimensions of the pipes are referenced at 20°C. Design stresses, both internal and external, must be adjusted according to the expected service temperature of pipe walls. Pipe system design shall take into account expected dynamic stresses, expansion/contraction due to temperature variations. Pipes shall not be used at temperatures outside the limits established by the design and recommended for the intended application.
- Pipes not containing carbon black in accordance with AS/NZS 4131 and AS/NZS 5065 shall not be used in conditions of prolonged UV exposure. Coloured pipes including jackets and stripes that are UV stabilized in accordance with AS/NZS 4131, AS/NZS 4130 and AS/NZS 5065 may be used for UV exposure periods not exceeding two years.
- Pipes shall not be used for transportation of or in conditions of external contact with automotive fuels, oils, synthetic hydrocarbons and other chemicals detrimental to pipe material at the expected service temperature.
- Pipes shall not be used without correct design, storage and handling, installation and maintenance recommendations, when excessively damaged prior to or during installation.
- Durability requirements are not applicable in the events of fire, flood, cyclone, earthquake or other 'acts of God'.
- Durability requirements are not applicable to pipes subjected to incidental, consequential, special or indirect damages, alteration, accident, misuse, abuse or neglect.
- Durability requirements are not applicable to pipes or pipe pieces sold as second-hand product or equivalent, or provided (at no charge) as scrap.

Waters & Farr pipes for drainage and sewerage applications shall not be used:

- For any pumped pressure applications.
- In contact with aromatic and chlorinated hydrocarbons, ketones, esters and ethers.

Waters & Farr electric and communication conduits and ducting shall not be used:

- For any pressure or gravity water applications.

## NEW ZEALAND BUILDING CODE - OTHER

Clause F2: Hazardous Building Materials. Above listed pipes meet this requirement and do not present a health hazard to people when correctly handled and used.

Clause G12: Water Supplies. Polyethylene pressure pipes for water supply to AS/NZS 4130 meet the requirements of G12.3.1 and G12.3.7.

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