

Climate declaration for PVC Non-Pressure Pipes for Building Applications

Declared unit: 1Kg of installed pipe

The climate declaration shows the emissions of greenhouse gases, expressed as CO₂-equivalents. It is based on verified results from a lifecycle assessment (LCA) performed as basis for an EPD®, in accordance with ISO 14025 and EN 15804.

Product

This climate declaration covers unplasticised polyvinyl chloride polymer (PVC-U) pipes ranging from 20-375mm nominal diameter for applications in drainage, waste, and ventilation (DWV), stormwater, and electrical conduits.

Iplex PVC-U non-pressure pipes are manufactured to a high standard in accordance with the Australian Standards AS/NZ 1260, AS/NZS 1254 and , AS/NZS 2053.2 which have been adopted by the Green Building Council of Australia (GBCA). Iplex PVC-U non-pressure pipes do not contain phthalates, dioxins or heavy metal additives e.g., lead or cadmium)

The EPD on which this climate declaration is based conforms with EN 15804 and PCR 2012:01 Construction Products and Construction Services v2.0 (2015), the EPD follows a “cradle-to-gate with options with options” scope.

The climate declaration was based on a cradle to grave life cycle assessment study and other modules were deemed not relevant. The declared unit is one kilogram (1kg) installed PVC-U non-pressure pipe manufactured at several sites in Sydney, Melbourne, Brisbane and Perth (Australia) to provide an average for PVC supply and installation. Product specifications in the EPD® should be used to convert the declared unit to length of pipe.

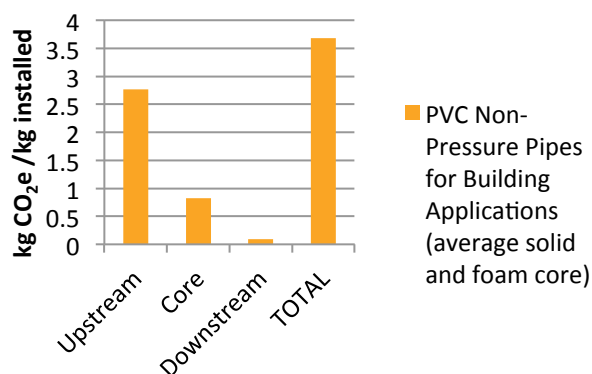
Company

Iplex Pipelines is the largest Australian owned and operated pipe and fittings manufacturing businesses in Australia with manufacturing and distribution capabilities in all States as well as New Zealand. All manufacturing plants have ISO 9002 quality assurance programs.

Climate declaration

The life cycle stages (EN 15804 process modules) of raw material supply (A1), transport (A2), manufacturing (A3), transport (A4), installation (A5) are covered in this declaration, deconstruction (C1), transport (C2), waste processing (C3), disposal (C4). Module D which covers reuse, recycling and recovery potential is also included. Modules B1 to B7 are excluded.

CO₂e per kg installed PVC Non-Pressure Pipes for Building Applications



Other environmental information

This declaration is limited to one impact category. For information about other relevant environmental impacts, see the EPD available at www.epd-australasia.com or www.environdec.com.

Contact information

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LINK TO MORE INFORMATION: WWW.EPD-AUSTRALASIA.COM			
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