

Climate declaration for POLYETHYLENE PIPES

Declared unit: 1 kg 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 polyethylene pipes and conduits ranging from DN16 to DN2000 for applications in water, sewer, mining slurry and gas piping.

Iplex PE Pipes are marketed under the brands Poliplex®, Greenline™, Sewerplex™, Millenium® and Thermapipe®. PE pipes are manufactured to a high standard in accordance with AS/NZS 4130.

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" approach. The EPD conforms with Green Star EPD requirements and can be used in Whole of Building Life Cycle Assessments under Green Star rating tools.

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 (1 kg) installed PE pipe manufactured at several sites in Australia (Albury, Townsville, Toowoomba and Perth) to provide an average for PE supply and installation. Product specifications in the EPD® should be used to convert the declared unit to length of pipe.

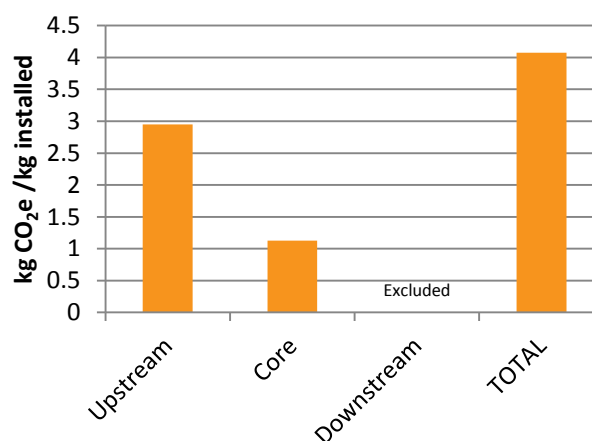
Company

Iplex Pipelines is the largest Australasian owned and operated plastics pipe and fittings manufacturing business 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) and installation (A5) are covered in this declaration. Modules B1 to B7 (use stage) and C1 to C4 (end of life stage) and Module D are excluded.

kg CO₂e per kg installed Polyethylene 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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EPD PROGRAMME: THE AUSTRALASIAN EPD® PROGRAMME		REGISTRATION NO: S-P-00715	VALIDITY: 29.05.2021
PCR: CONSTRUCTION PRODUCTS AND SERVICES.	UN CPC: 5462 DRAIN LAYING SERVICES	PCR REVIEW CONDUCTED BY: TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD SYSTEM	
INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: EXTERNAL VERIFIER: KIMBERLY ROBERTSON, CATALYST LTD, NEW ZEALAND			ACCREDITED / APPROVED BY: AUSTRALASIAN EPD PROGRAMME
LINK TO MORE INFORMATION: WWW.EPD-AUSTRALASIA.COM			
CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE			