

Climate declaration for PVC Pressure Pipes

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 polyvinyl chloride polymer (PVC) pressure pipes ranging from 50-300mm nominal diameter for applications in water supply, irrigation and sewerage rising mains.

Iplex PVC pipes are manufactured to a high standard in accordance with the Australian Standards AS/NZ 1477 (PVC-U), AS/NZS 4765 (PVC-M) and AS/NZS 4441 (PVC-O). Pipes have a working service life of 100 years.

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” scope.

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

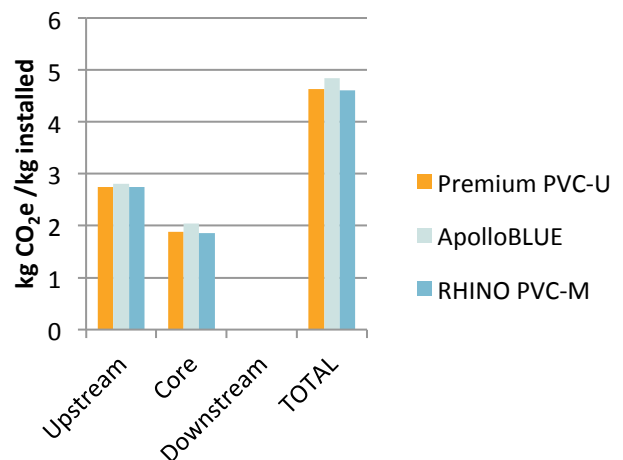
Company

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. Modules B1 to B7 and modules C1-C4 are excluded.

CO₂e per kg installed PVC Pressure Pipe



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

Rodger Connolly
rodger.connolly@iplexpipelines.com.au, PO BOX 5160,
Brendale, QLD 4500.

EPD PROGRAMME: THE AUSTRALASIAN EPD® PROGRAMME		REGISTRATION NO: S-P-00712	VALIDITY: 06.12.2020
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			