

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 reports life cycle greenhouse gas emissions for Vinidex polyvinyl chloride polymer (PVC) pressure pipes for applications in water supply, irrigation and pressure sewerage, slurry transport and industrial process pipelines. PVC product types included in this Climate Declaration are: PVC-U pressure pipe, Supermain® PVC-O pressure pipe and Hydro® PVC-M pressure pipe.

Vinidex PVC pipes are manufactured to a high standard in accordance with the Australian Standards AS/NZ 1477 (PVC-U), AS/NZS 4441 (PVC-O) and AS/NZS 4765 (PVC-M). 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 declared (functional) unit is one kilogram (1kg) installed PVC pipe manufactured at several sites. Product specifications in the EPD® should be used to convert the declared unit to length of pipe.

Vinidex PVC-U pipes are manufactured at sites in Brisbane, Melbourne and Perth and Sydney, while PVC-O is only manufactured in Sydney and PVC-M pipes are manufactured in Brisbane, Melbourne and Perth. Results presented here provide a representative weighted average production of PVC-U and PVC-M pipes at their respective manufacturing sites.

Company

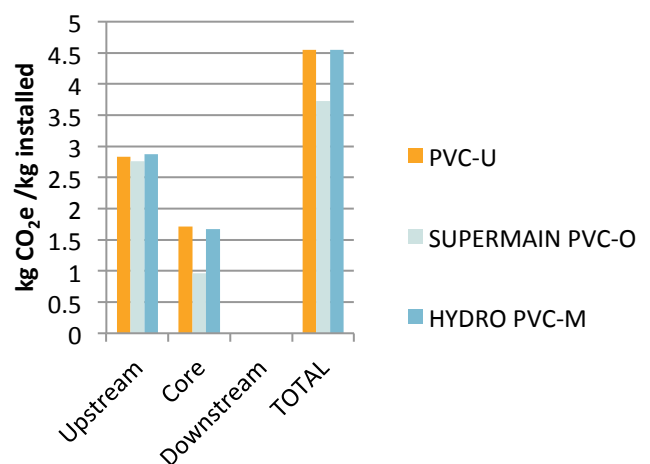
Vinidex is a leading Australian supplier of PVC-U, PE and PP pipe systems. The company has nine

manufacturing sites in Australia and a national network of warehouse and distribution facilities.

Climate declaration

The life cycle stages (EN 15804 process modules) of raw material supply (A1), transport (A2 and A4), manufacturing (A3), 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

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EPD PROGRAMME: THE AUSTRALASIAN EPD® PROGRAMME		REGISTRATION NO: S-P-00718	VALIDITY: 01.03.2021
PCR: CONSTRUCTION PRODUCTS AND SERVICES.	UN CPC: 36320 - TUBES, PIPES AND HOSES, AND FITTINGS THEREFOR.	PCR REVIEW CONDUCTED BY: TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD SYSTEM	
INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: EXTERNAL VERIFIER: 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			