

Climate declaration for PVC Non-Pressure Pipes and Conduits used in buildings

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) non-pressurised pipes ranging from 16-375mm nominal diameter for applications in drainage, waste, and ventilation (DWV), stormwater, surface water and electrical conduits.

Vinidex PVC-U non-pressure pipes are manufactured to a high standards confirming to the relevant StandardsMark product certification. When used for plumbing applications WaterMark certification permits their use in plumbing applications in accordance with the Australian Plumbing code.

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. The declared (functional) unit is one kilogram (1kg) installed PVC-U non-pressure pipe. Product specifications in the EPD® should be used to convert the declared unit to length of pipe.

Vinidex pipes within the scope of this climate declaration are manufactured in Sydney, Melbourne, Brisbane and Perth (Australia). The results are representative of the weighted average PVC pipe production, incorporating PVC pipe of both solid wall and foam core construction.

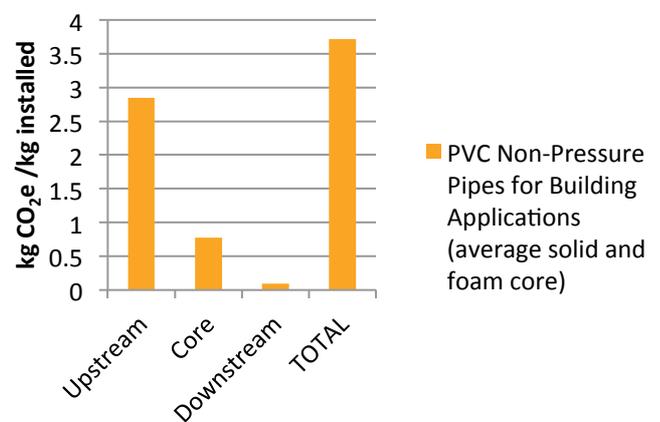
Company

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), deconstruction (C1), transport (C2), waste processing (C3) and 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 and Conduits



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

Lucy Croker LCroker@vinidex.com.au, Level 4, 26 College Street, Darlinghurst NSW 2010.

EPD PROGRAMME: THE AUSTRALASIAN EPD® PROGRAMME		REGISTRATION NO: S-P-00716	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			