

LIFE CYCLE ASSESSMENT



Manufacturer

Fernco

Website

www.fernco.co.uk | www.fernco.de

Declared Product

AC2154

Product Range

Adaptor Coupling

Product Service Life

50 years



Introduction

Life Cycle Assessment (LCA) is an internationally recognised environmental accounting tool used to identify, characterise and assess the potential impacts of products (goods or services) throughout their life cycle. Fernco – a specialist manufacturer and distributor to the civils & drainage, plumbing and water management sectors has completed an LCA study to determine the carbon footprint of our adaptor coupling products. This study follows the procedures defined by ISO Environmental Management Standards, i.e., ISO 14040 and ISO 14044, in addition to the ISO 14067 standard guidelines for product carbon foot printing.

Databases And LCA software

LCA developed by Yordas Group, inventory modelled using Gabi software.

Scope of Assessment

The results have a cradle-to-gate scope, comprising raw materials extraction and supply (A 1), transport (A2) and manufacturing (A3).

Impact Category	Abbreviation	UK	Germany	Units
		Quality per FU	Quality per FU	
Climate change	GWP	6.81	6.90	kg CO ₂ eq.

GWP

This document quantifies the Global Warming Potential (GWP) of the declared product. This may also be referred to as the carbon footprint or embodied carbon.

*LCA results can only provide a snapshot of potential environmental burdens at a particular point in time, LCA created October 2023
VALIDITY: October 2025.*