

embodied carbon declaration

EC0006-A: 04/23

embodied carbon declaration for Pegler Prestex

Measuring our carbon emissions is the first step on the path to reducing them. As manufacturers of integrated piping systems, disclosing the embodied carbon of our products is key for achieving credible full life cycle assessments of the systems and buildings we help build.

The embodied carbon of a product includes all emissions released during making, installing and end-of life disposal. This excludes any emissions produced during its use and any benefits of potential reuse, recovery or recycling of materials at the end of its life. In the case of Aalberts IPS products, most emissions originate from the raw materials used to make them. This report does not include embodied carbon of packaging.

The table below shows the embodied carbon of our products calculated using **CIBSE TM65***. The total embodied carbon is reported in **kgCO2e**: kg of carbon dioxide equivalents. This shows the impact of all greenhouse gas emissions as if they were CO2 to allow for unified reporting.

While we conduct further investigation into our supply chains, we are choosing to calculate embodied carbon by using industry average values for the percentage of recycled content in our raw materials.



Pegler Prestex

The depth and breadth of the Pegler Prestex range combines a portfolio which includes mixing valves, float valves, stop valves, drain valves, isolation valves and bibtaps.

All of our thermostatic mixing valves are individually tested in our Doncaster facility to guarantee fail safe shut off in the event of cold water failure.

Revision	Notes	Date
1.0	/	11/04/23

thermostatic mixing valves

Designed for providing delivery of safe hot water to the point of use. Compact in design and with high levels of specification meeting NHS specifications and compliant with Building Regulations for new built installations.

Available in chrome plated DZR brass with a choice of compression and push-fit connections, and standard or 90 angle valve combinations.

Compliant with BS7942, BS EN1111 and BS EN1287, building Regulations Part G Section G3 compliant WRAS approved.

Prestex

code	name	type	size	total embodied carbon (kgCO ₂ e)*
5A1401	Thermostatic mixing valve FFF	PEG402	15 (DN15)	1.721
5A1402	Thermostatic mixing valve FFF	PEG402	22 (DN20)	2.224
5A1403	Thermostatic mixing valve FFF	PEG402UA	15 (DN15)	4.407
5A1404	Thermostatic mixing valve FFF	PEG402UA	22 (DN20)	7.126
5A1405	Thermostatic mixing valve FFF	PEG402UAX	15 (DN15)	4.596
5A1406	Thermostatic mixing valve FFF	PEG402UAX	22 (DN20)	7.427
854865	Tailpipe Assembly Pair		15	0.588

VSH Tectite

code	name	type	size	total embodied carbon (kgCO ₂ e)*
5A1560	Thermostatic mixing valve FFF	TX402	15 (DN15)	1.890
5A1561	Thermostatic mixing valve FFF	TX402	22 (DN20)	2.489
5A1562	Thermostatic mixing valve FFF	TX402UA	15 (DN15)	4.694
5A1563	Thermostatic mixing valve FFF	TX402UA	22 (DN20)	7.884
5A1564	Thermostatic mixing valve FFF	TX402UAX	15 (DN15)	4.925
5A1565	Thermostatic mixing valve FFF	TX402UAX	22 (DN20)	7.892

plumbing valves

Pegler Prestex fluid control solutions meet all the requirements of water regulations and include options of compact ball operated isolating valves or for heavier applications, gate valves.

Appliance valves are available with colour coded handles for connection to and isolation of domestic water supplies to dish washers and washing machines.

code	name	type	size	total embodied carbon (kgCO ₂ e)*
Coming soon!				

brass and chrome compression fittings

Manufactured to EN 1254: 1998 (formerly BS 864-2) for use with copper tube to BS EN 1057 1996 (formerly BS 2871: Part 1) or stainless steel tube to BS 4127-2: 1994.

code	name	type	size	total embodied carbon (kgCO ₂ e)*
Coming soon!				

* Embodied carbon calculated following 'Basic' calculation method described in CIBSE (2021) Embodied carbon in building services: a calculation methodology CIBSE TM65: 2021 (Hampshire: Hobbs the Printers Ltd) using CIBSE (2022) Embodied Carbon Calculator TM65 Digital Tool beta version 1.1 January 2022 (London: Chartered Institution of Building Services Engineers)