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PRODUCT TECHNICAL STATEMENT

Incorporating BPIR requirements as per
Building Product Information Regulations 2022

Hansgrohe products for water supply Kitchen and Bathroom

Hansgrohe Kitchen and bathroom products are for use in water supply installations.

This PTS covers all of the products supplied by Hansgrohe in New Zealand.

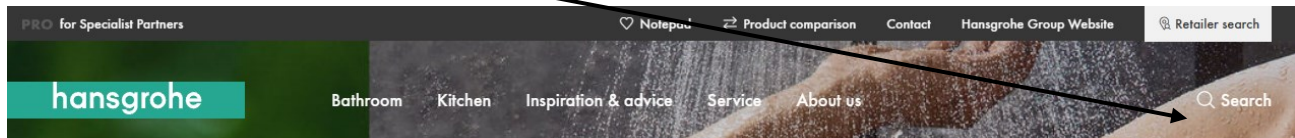
To find the required information on specific products, please follow the link to the Hansgrohe website, enter the product code, and relevant information will be found.

Document type	Revision	Revision date
Product Technical Specification & BPIR Hansgrohe Kitchen and bathroom products for water supply	1	16 August 2023

Search process for relevant information on product

Website: www.hansgrohe.com

Enter product code in Search bar:



Example: 74507000

(for the Metropol Single lever basin mixer)



Enter product code: 74507000



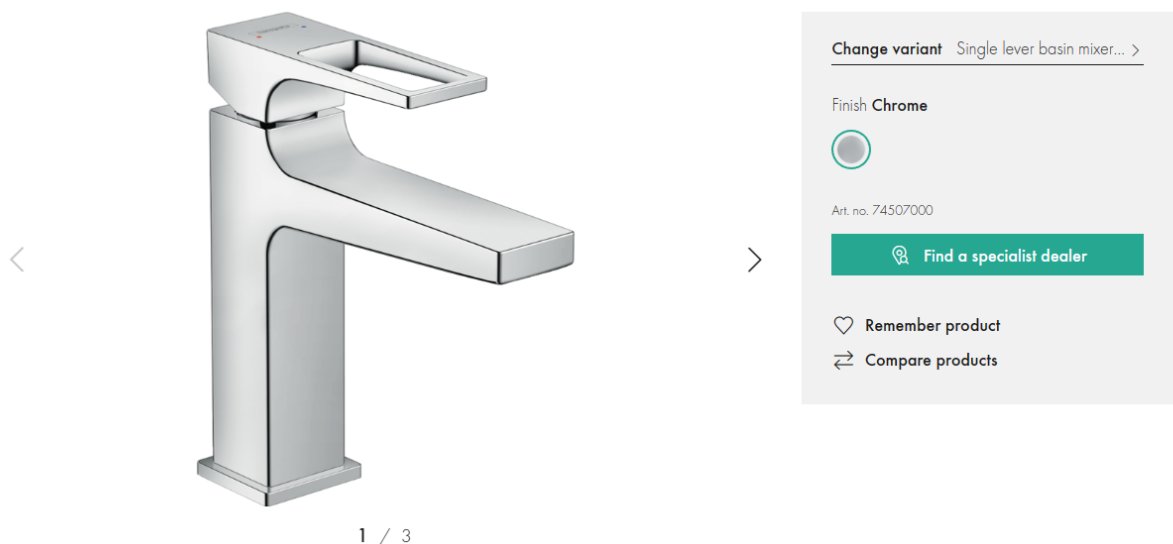
Metropol
Single lever basin mixer 110 with loop handle and
push-open waste set

→ [Show all products](#)

Press "Search" and result shows:

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Metropol Single lever basin mixer 1 10 with loop handle and push-open waste set



Product data available are, for example:

Product data that are available, for example, are:

- Picture of the product
- Finish available
- Information about innovative technologies
- Manufacturer’s warranty
- Specifications, Features and Benefits

For download:

- Product data sheet
- Various formats of planning data (for designers and specifiers)
- Various formats of BIM data (for designers and specifiers)
- Technical data
- Maintenance (service) instructions

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Further information available are:

- Spare parts finder
 - Scope of supply
 - Older model spare parts listing
-

Purpose and use

Hansgrohe kitchen and bathroom products for use of water supply are suitable for mains pressure.

Product description

Hansgrohe kitchen and bathroom products complies with the NZBC as mentioned below in the BPIR section.

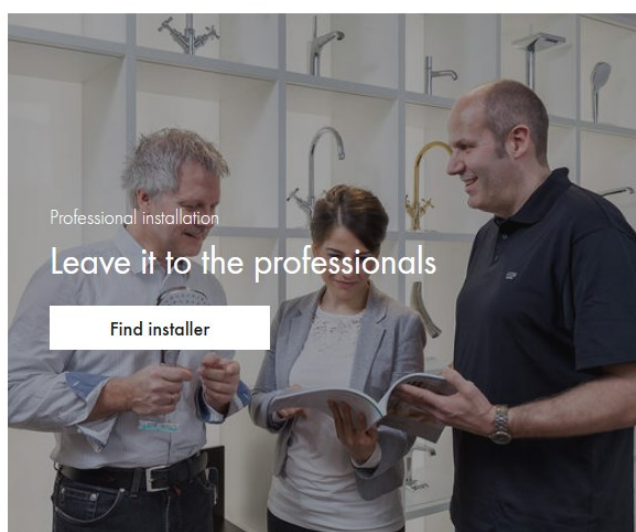
Key advantages

Each Hansgrohe product specification, features and benefits are available on the website as shown above.

Installation Instructions

Hansgrohe recommends that all installation is done by a registered plumber. Installation Instructions are supplied with the product.

Installation information



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Hansgrohe Kitchen and bathroom products QA processes

Hansgrohe Kitchen and bathroom products undertake testing and inspections of all products as part of the QA requirements.

For further information please see: [Products with Premium Quality | Hansgrohe Group \(hansgrohe-group.com\)](#)

Contribution to Compliance

Hansgrohe kitchen and bathroom products are in full compliance with the requirements as set out in the New Zealand Building Code, as follows:

Building code	Requirement	Compliance evidence
B2 (Durability) B2.3.1 (c) applies	<p>(B2.3.1 Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the specified intended life of the building, if stated, or:</p> <p>(a) The life of the building, being not less than 50 years, if:</p> <p>(i) Those building elements (including floors, walls, and fixings) provide structural stability to the building, or</p> <p>(ii) Those building elements are difficult to access or replace, or</p> <p>(iii) Failure of those building elements to comply with the building code would go undetected during both normal use and maintenance of the building.</p> <p>(b) 15 years if:</p> <p>(i) Those building elements (including the building envelope, exposed plumbing in the subfloor space, and in-built chimneys and flues) are moderately difficult to access or replace, or</p> <p>(ii) Failure of those building elements to comply with the building code would go undetected during normal use of the building but would be easily detected during normal maintenance.</p> <p>(c) 5 years if:</p>	<p>As part of a plumbing system for supply of cold, hot or mixed water temperatures.</p> <p>These products can be used in residential and/or commercial buildings where cold, hot or mixed water temperatures hot water is required to be supplied.</p> <p>Not suitable for use in areas which are being permanently concealed such as behind concrete.</p> <p>No maintenance required apart from during normal course of use, although cleaning instructions are supplied as above.</p> <p>Proof of durability – Service history Hansgrohe products have been manufactured and supplied worldwide since 1901.</p> <p>Warranty calls are at a minimum and within the quality principles of Hansgrohe. All Warranty claims are investigated, and corrective/preventive actions are implemented.</p>

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	<p>(i) The building elements (including services, linings, renewable protective coatings, and fixtures) are easy to access and replace, and</p> <p>(ii) Failure of those building elements to comply with the building code would be easily detected during normal use of the building.</p>	<p>Products that are WaterMark certified are subject to endurance testing.</p> <p>Refer warranty statement as shown in Appendix 1</p>
<p>G12 (Water supplies)</p> <p>G12.3.2 applies</p>	<p>G12.3.2 A potable water supply system shall be–</p> <p>(a) protected from contamination; and</p> <p>(b) installed in a manner which avoids the likelihood of contamination within the system and the water main; and</p> <p>(c) installed using components that will not contaminate the water.</p>	<p>Hansgrohe products has a variety of international product certifications, including WaterMark.</p> <p>All Hansgrohe products are designed, manufactured and inspected/tested, that are WaterMark certified, are subject to contamination of water testing (AS/NZS 4020). Where products are WaterMarked, this will include compliance with AS/NZS 4020 as mentioned in AS1</p> <p>Refer Appendix 2 and 3</p> <p>All other products comply with drinking water standards of Europe. Refer Appendix 4 (Clause 7)</p>
<p>G12.12.3.7 applies</p>	<p>G12.3.7 Water supply systems must be installed in a manner that–</p> <p>(a) pipes water to sanitary fixtures and sanitary appliances flow rates that are adequate for the correct functioning of those fixtures and appliances under normal conditions; and</p> <p>(b) avoids the likelihood of leakage; and</p> <p>(c) allows reasonable access to components likely to need maintenance; and</p> <p>(d) allows the system and any backflow prevention devices to be isolated for testing and maintenance.</p>	<p>All Hansgrohe products are designed, manufactured and inspected/tested, that are WaterMark certified, are subject to flow rates testing that is within the limitation set by the AS/NZS 3500 (NZBC) and the WELS regulations.</p> <p>Where backflow prevention is required, these are supplied with Hansgrohe products.</p>

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NOTE: WaterMark is not compulsory for the New Zealand market. The products listed in these WaterMark certificates, as shown below, are specifically designated for use in Australia, with some in New Zealand.

It must be noted that all Hansgrohe products complies with the various requirements as stated above for the NZBC.

Products supplied into the New Zealand market might not be listed on these certificates but can be imported and used within the New Zealand building industry.

Refer WaterMark certificate and schedule of products

AS 4032.4-2014 - Water supply - Valves for the control of heated water supply temperatures -
Thermostatically controlled taps for the control of heated water supply temperatures

[SAI Global - Certification Register - Schedule](#) for WMK 25718

Refer for WaterMark certificate and schedule of products

AS/NZS 3718:2005 - Water Supply - Tap ware

[SAI Global - Certification Register - Schedule](#) for WMKA 00149

Refer for WaterMark certificate and schedule of products

AS/NZS 3662:2005 - Performance of showers for bathing

[SAI Global - Certification Register - Schedule](#) for WMKT 25486

Refer for WaterMark certificate and schedule of products

WMTS 040:2022 - Waste pipe connection outlets and gratings, separate or integral

[SAI Global - Certification Register - Schedule](#) for WMKT 25590

Design, construction and installation instructions

Installation Instructions

Hansgrohe Kitchen and bathroom products installation is to be done by registered plumbers. Installation Instructions are supplied with the product.

Maintenance requirements

Service/cleaning instructions are available for download as mentioned above for all Hansgrohe kitchen and bathroom products.

Limitations

Limitations and use is specified in the technical information sheets obtainable from the website, and differs by product.

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Quality assurance

The following certifications has been accredited to the product and/or manufacturer.

Hansgrohe has a variety of certifications including:

- Sustainability (including EcoVadis certification)
- Environmental certification with CDP
- Ecological impact Transparency certification with EPD
- ISO certifications:
 - ISO 9001 Quality Management
 - ISO 14001 Environmental management
 - ISO 50001 Energy management
 - ISO 45001 Occupational safety management

International approvals

Please refer to Appendix 2 and 3 for a listing of international certifications.

Refer Appendix 5 for ISO 9001 certification.

Product support

Full product support can be found at www.hansgrohe.com or at:

As supplied by:

flow PLUMBING IMPORTS LTD
Flow Plumbing Imports
www.flowimports.co.nz

Hansgrohe
Auestrasse 5-9, Schiltach, Germany
P +49 783 6510
E-mail: info@hansgrohe.com

Manufacturer

All Hansgrohe products are manufactured by Hansgrohe Germany: www.hansgrohe.com, and imported and distributed by the various merchants.

Warnings and Bans

There is no warning or ban applicable on any Hansgrohe products, subject to the Building Act 2004, Section 26.

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Appendix 1 – Warranty Statement

Document type	Revision	Revision date
Product Technical Specification & BPIR Hansgrohe Kitchen and bathroom products for water supply	1	16 August 2023

Hansgrohe Pty Ltd (Hansgrohe)

Effective from 1st July 2021

1. Warranty terms & conditions

We thank you for your purchase of Hansgrohe products. Offering our customers the highest quality at all times is a fundamental part of the Hansgrohe company philosophy. Hansgrohe therefore offers consumers a voluntary warranty on Hansgrohe products in Australia, New Zealand & Fiji according to the details in these warranty terms and conditions.

Please refer to Clause 6 herein on how to submit a warranty claim.

2. Glossary & Definitions

- a) "Authorized Dealer" shall mean the authorized dealers / distributors of Hansgrohe Australia, New Zealand & Fiji, listed on its website - www.hansgrohe.com.au and www.axor-design.com/au;
- b) "Customer" shall mean the original end customer or first customer who purchased the product from the Authorized Sales Channel of Hansgrohe Australia, New Zealand & Fiji;
- c) "Hansgrohe" shall mean Hansgrohe Australia Pty Ltd having its registered office at Office Unit 4/71 Victoria Crescent Abbotsford, Victoria, 3067; Australia.
- d) "Products" shall mean products manufactured by or on behalf of Hansgrohe that bear a trademark owned by Hansgrohe;
- e) "Invoice" shall mean the invoice issued by the Authorized Dealer for a product purchased by the customer;

3. Warranty Conditions

3.1 Hansgrohe provides the following warranty terms and conditions for all Hansgrohe products purchased in Australia, New Zealand & Fiji from an authorized dealer for use in domestic or commercial installations. Any product purchased through unauthorized dealer or from other sources or imports are not covered by this warranty terms and conditions as products purchased otherwise may not meet local regulations.

3.2 Hansgrohe guarantees customers that its products are free from material, manufacturing and design faults. The defect giving rise to the damage must already have

been present in the product at time of manufacture. These warranty terms and conditions shall be void for the following reasons:

- a) Non-compliance with the installation, maintenance and usage instructions;
- b) Damage caused by debris and sediment from water supply pipes.
- c) Installation, maintenance, repair or servicing by non-qualified persons;
- d) Product damage caused by the seller, plumber, customer or third persons;
- e) Damage that can be attributed to normal wear and tear or intentional damage – in the event of negligent damage, contributory negligence shall be offset on agreement;
- f) Improper installation or commissioning;
- g) Insufficient or improper maintenance;
- h) Products that have not been or are not used in line with their intended purpose;
- i) Damage caused by force majeure or natural disasters, especially but not limited to floods, fires or frost damage;
- j) Product is purchased from unauthorized dealer;
- k) Product was not purchased by the Customer as a brand new product;
- l) Products not installed to relevant National Standards and State Regulations.
- m) Product has been exposed to harsh or abnormal environmental elements;
- n) Product has been serviced or repaired with non-standard or non-Hansgrohe replacement parts
- o) In accordance with AS3500 clause 3.3.4, operating water pressure in a building shall not exceed 500kPa. Water supply pressure that exceed 500kPa will cause damage to installations and fittings. In this situation pressure-limiting valves should be installed. Where the water pressure is greater than 500kPa, Hansgrohe and its agent / dealers reserve the right not to accept warranty claims.
- p) Modifications to the products.
- q) Failure to regularly clean or replace dirty or blocked outlet aerator inserts in tapware and/or shower heads etc.

- r) Product's surface has been damaged as a result of adhesives, sealants or abrasive cleaners.
- s) Failure to observe manufacturers maintenance and care instructions.

3.3 These warranty terms & conditions remain applicable only if the customer has ensured the product

- a) has been used in accordance with the terms of this warranty terms;
- b) has not been improperly or negligently handled;
- c) has not been damaged prior to installation;
- d) has been installed according to the instruction manual;
- e) the Product has all of its components installed;
- f) has received required maintenance and cleaning. Please see care and cleanings tips under chapter 7.

3.4 This warranty terms & conditions commences on the earlier of:

- t) the date of purchase for domestic customers;
- u) the project handover for commercial customers;

It will continue for the relevant periods set out in the warranty period tables below.

3.5 Hansgrohe is not responsible for other incidental or consequential costs. Hansgrohe is not responsible or liable for any special or consequential damages due to the defective product, or due to defects of any component or part thereof and in no event shall the liability of Hansgrohe exceeds the purchase price of the product.

3.6 This warranty terms and conditions are only valid if the original sales/ purchase tax Invoice is provided with the claim. This warranty is not transferable and confined to original purchaser/ first purchaser of the product only. Customers are therefore required to keep the original invoice and of product safely.

3.7 In the event of non-availability of components or parts due to any reason, neither Hansgrohe nor its Authorized Dealer will be responsible

or liable for any delay that may be caused to service/ repair of the product. In case of product obsolescence, a suitable replacement will be chosen based upon the features, the intended use and the retail price of the original product. In the event of product obsolescence Hansgrohe cannot guarantee the same color or aesthetic attributes as the original product.

3.8 For Hansgrohe products sold in Australia, New Zealand and Fiji, only this warranty document is applicable. Any reference to any other warranty document will not be considered. The warranty does not cover any accessories external to the product. Warranty is valid and applicable to the products which are licensed for sale and purchased in these markets through an authorized Dealer only.

3.9 Our goods come with guarantees that cannot exclude the Australian or New Zealand Consumer Law or other respective national legislation. Nothing in this warranty has the effect of excluding, restricting or modifying those rights.

4. Warranty periods

4.1 Domestic/ Residential applications

Product category	Parts	Labour
Tapware	15 Years	5 Years
Cartridges & Thermostatic elements	10 Years	5 Years
Showers	15 Years	5 Years
Shower hoses	5 Years	NIL
Kitchen mixer hoses	5 Years	2 Years
Hand showers	5 Years	NIL
iBox universal	20 Years	5 Years
Accessories	5 Years	2 Years
Electronic taps & mixers	5 Years	2 Years
All surfaces-electroplate, PVD,lacquered	5 Years	2 Years
Spare parts	2 Years	2 Years

4.2 Commercial applications

A commercial premises is deemed to be any business, motel, hotel, airport, hospital or place that is not by its nature a domestic residential building.

Product category	Parts	Labour
Tapware	5 Years	2 Years
Cartridges & Thermostatic elements	5 Years	2 Years
Showers	5 Years	2 Years
Shower hoses	5 Years	NIL
Kitchen mixer hoses	5 Years	2 Years
Hand showers	5 Years	NIL
iBox universal	20 Years	5 Years
Accessories	3 Years	2 Years
Electronic taps & mixers	5 Years	2 Years
All surfaces- electroplate, PVD, lacquered	5 Years	2 Years
Spare parts	2 Years	2 Years

4.3 Exclusions from the warranty include

- Jumper Valves
- O-rings and washers
- Aerator Inserts
- Normal wear & tear

4.4. In regards to ceramic cartridges, the warranty is void should the cartridge be faulty as a result of the following in the water supply:

- Copper and plastic tube pieces
- Dirt, sand or grit
- Plumbing tape

5. Authorized service agent

5.1 Hansgrohe warranty service can only be conducted by our authorized service agent or authorized Dealer.

5.2 Warranty Services is conducted only during normal business hours on business days. Hansgrohe or its agents / dealers is not bound by any obligation to carry out service / replacement in specified time period, while every effort will be made to carry out service / replacement at the earliest possibility.

5.3 In the event that the product may be required for offsite inspection. Hansgrohe, its service agent or dealer is not be liable to provide any alternative product for temporary use in such case and shall not be liable for any cost or consequences incurred by the customer due to offsite inspection.

5.4 When a product is found to be defective, Hansgrohe or its agent may decide to:

- replace it with the same model
- replace it with a model of similar value, in case if same model is discontinued or not available

6. How to make a warranty claim?

Should any of our Products not perform to the warranty terms provided herein, please contact:

In Australia:

Tel: 1800 001 901

Email: hansgrohe@t2services.com.au

In New Zealand and Fiji:

Contact the Authorised Dealer where you purchased the product from.

Warranty related labour, if required, is provided by the authorized dealer from whom the purchase was made.

Hansgrohe reserves the right to determine any issue or uncertainty in connection with the warranty.

7. Product care and cleaning

7.1 Always test your cleaning solution on an inconspicuous area on the product before applying to entire surface.

7.2 Do not allow harsh cleaners to sit or soak on the product.

7.3 Wipe surfaces clean and rinse completely with water immediately after applying cleaners

7.4 Clean the fitting with just a mild detergent (such as dish-washing soap) and a damp cloth, then simply rinse off and wipe dry; you can prevent lime scale by drying the fitting after each use

We strictly do not advise the use of solvents or acidic cleaners, lime scale removers, household vinegar and cleaning agents containing acetic acid - they will attack the surface and leave your fitting looking dull and scratched.

7.5 Use a soft, dampened sponge or cloth to clean, never use abrasive material like a bristle brush or scouring pad

7.6 Wherever gold or platinum metal is used on products, use only warm water to clean and then dry the surface with a soft cloth

7.7 Never use cleaners containing abrasive cleansers, ammonia, bleach, acids, waxes alcohol, solvents or other products not recommended for chrome

Appendix 2 – Product approvals

Document type	Revision	Revision date
Product Technical Specification & BPIR Hansgrohe Kitchen and bathroom products for water supply	1	16 August 2023

- International Product Approvals -

This overview is an excerpt of market relevant testing marks and quality seals for the hansgrohe & AXOR product range.
More detailed information are available on request.

Country	Official body / Name	Mark	Content of certification	Website
Australia	WMCS (Water Mark Certification Scheme)		Functional and material approval	www.saiglobal.com/
Australia	WELS (Water Efficiency Labelling and Standards Scheme)		Classification system for water-saving fittings	www.waterrating.gov.au
Switzerland	SwissQuality		Approval for drain fittings	www.swiss-quality.org
Switzerland	SVGW		Functional, material and noise approval	www.svgw.ch
Germany	General building authority test certificate		Noise approval (P-IXmark)	www.irb.fraunhofer.de
Germany	DVGW		Functional, material and noise approval	www.dvgw-cert.com
Germany	TÜV SÜD Mark		Approval based on electrical and/or mechanical safety testings	www.tuev-sued.de
Denmark	GDV (Godkendt til drikkevand)		Material and product approval	www.gdv.dk
Denmark	ETA (European Technical Assessment)		Functional and material approval	www.etadanmark.dk
EU	Unified Water Label by EBF (European Bathroom Forum)		Classification system for water and energy saving fittings	www.europeanwaterlabel.eu
Finland	STF (former VTT)		Functional, material and noise approval	www.sertifikaattihaku.fi
France	ACS (Attestation de Conformité Sanitaire)		Material and product approval	www.solidarites-sante.gouv.fr
France	NF		Functional and noise approval	www.cstb.fr
Hong Kong	WELS (Water Efficiency Labelling Scheme)		Functional and material approval	www.wsd.gov.hk
Japan	JWWA (Japan Water Works Association)		Functional and material approval	www.jwwa.jp
Middle East / Abu Dhabi	QCC (Quality and Conformity Council)		Functional and material approval & classification system for water saving fittings	www.qcc.gov.ae
Mexico	NOM		Functional approval	Regaderas empleadas en el aseo corporal - Especificaciones y métodos de prueba
Netherlands	Kiwa Water Mark (ehemals ATA)		Material and product approval	www.kiwa.com
Netherlands	KIWA		Functional and material approval	www.kiwa.com
Norway	SINTEF		Functional and material approval	www.sintef.no

- International Product Approvals -

*This overview is an excerpt of market relevant testing marks and quality seals for the hansgrohe & AXOR product range.
More detailed information are available on request.*

Country	Official body / Name	Mark	Content of certification	Website
Saudi Arabia	SALEEM (Saudi Product Safety Programm)		Product approval	www.export2saudi.com
Sweden	STA (Swedish Type Approval)		Functional and material approval	www.kiwa.com
Singapore	WELS (Water Efficiency Labelling Scheme)		Functional and material approval & classification system for water saving fittings & showers	www.pub.gov.sg/wels
United Kingdom	MCA (Maritime Labour Convention)		Approval especially for thermostats used on ships	www.mca.gov.uk
United Kingdom	WRAS (Water Regulations Advisory Scheme)		Functional and material approval	www.wras.co.uk
United Kingdom	TMV 2 (Thermostatic Mixing Valves)		Approval especially for thermostats used for new buildings	www.kiwa.com www.nsf.org
United Kingdom	TMV 3 (Thermostatic Mixing Valves)		Approval especially for thermostats used in health care building sector	www.kiwa.com www.nsf.org
USA	cUPC (Uniform Plumbing Code) by IAPMO (International Association of Plumbing and Mechanical Officials)		Functional and material approval	www.iapmo.org
USA	WaterSense by EPA (Environmental Protection Agency)		Water saving fittings	www.epa.gov/watersense
USA	NSF61		Migration of certain substances into drinking water	www.nsf.org
WAN	SONCAP (Standards Organization of Nigeria)		Product approval	www.son.gov.ng
South Africa	SABS (South African Bureau of Standards)		Functional and material approval	www.sabs.co.za
United Arab Emirates	Green Label		Water saving fittings and showers	https://www.esma.gov.ae

Appendix 3 – Building approvals

Document type	Revision	Revision date
Product Technical Specification & BPIR Hansgrohe Kitchen and bathroom products for water supply	1	16 August 2023

- International Building Approvals -

This overview is an excerpt of market relevant building related certifications. More detailed information are available on request.

Country	Official body / Name	Website
Australia	Green Star	http://www.gbca.org.au/
Brazil	Aqua	http://www.vanzolini.org.br/
Canada	LEEDCanada	http://www.cagbc.org/
Switzerland	Minenergie	http://www.minergie.ch/
Germany	DGNB	http://www.dgnb.de/
France	Care & Bio	http://www.carebio.com/
France	Chantier Carbon	http://www.construction-carbone.fr/
France	HQE	http://www.certivea.fr/
Hong Kong	HKBEAM	https://www.beamsociety.org.hk/en_index.php
Israel	SI5281 - Sustainable buildings	http://www.iisbe.org/
India	LEEDIndia	http://www.igbc.in:9080/site/igbc/index.jsp
India	TerriGriha	http://www.grihaindia.org/
Italy	Green Building Council Italia	https://igbc.in/igbc/
Italy	Protocollo Itaca	http://www.itaca.org/
Netherland	BREEAMNetherlands	http://www.dgbc.nl/
New Zealand	Green Star NZ	http://www.nzgbc.org.nz/main/
Singapore	Green Mark	http://www.bca.gov.sg/GreenMark/green_mark_buildings.html
United Arabic Emirates	Pearls Rating System	http://www.carboun.com/tag/estidama-pearls-rating-system/
United Kingdom	BREEAM	https://www.bregroup.com/

- International Building Approvals -

This overview is an excerpt of market relevant building related certifications. More detailed information are available on request.

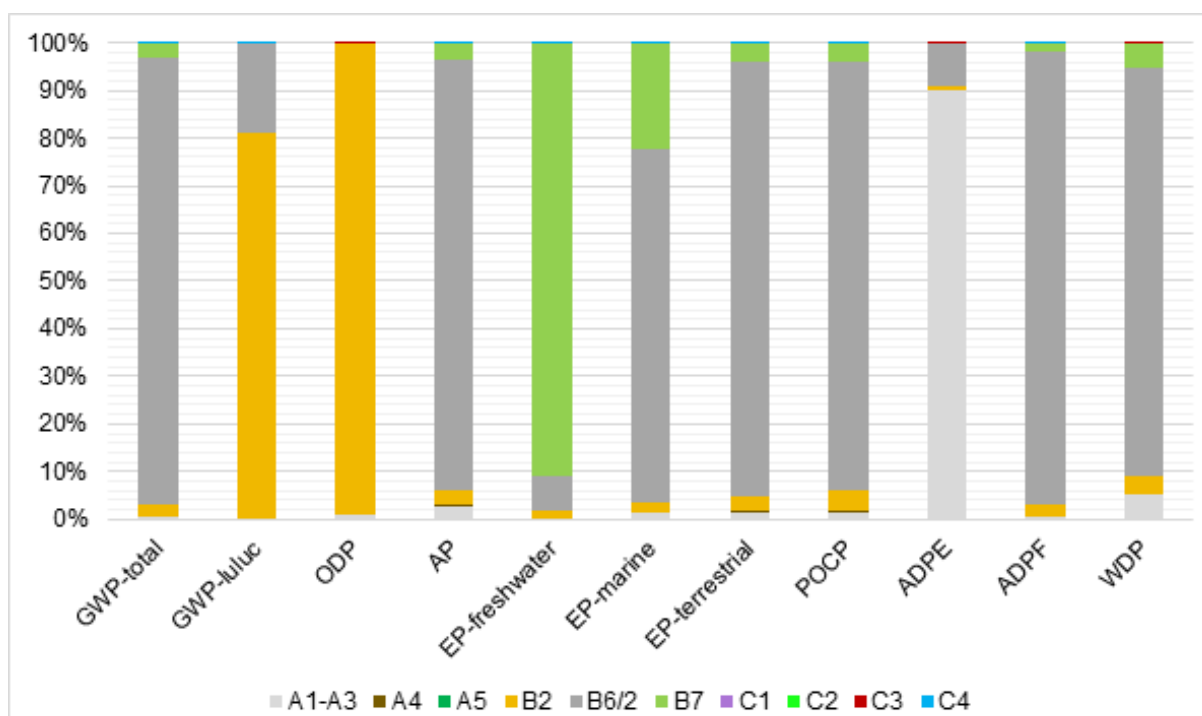
Country	Official body / Name	Website
USA	US LEED	http://www.usgbc.org/DisplayPage.aspx?CategoryID=19
USA	GREENGlobes	http://www.greenglobes.com/
South Africa	Green Star SA	https://gbcsa.org.za/

Appendix 4 – EPD product declaration

[Sustainability Report and Certificates | Hansgrohe Group \(hansgrohe-group.com\)](#)

In particular, refer Clause 7

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The dominance analysis shows that module A1-A3 in particular is the dominant life cycle stage in regard to GWPtotal (2.20 kg CO₂-eq.). This is mainly caused by the provision of brass for the production of the basic sets at the production site (0.64 kg CO₂-eq.)

The end-of-life stage (module C1-C4) has a noteworthy influence on the indicator GWPtotal and also on AP, EP, POCP and WDP. Here, these indicators are each influenced primarily by the thermal treatment of plastics.

The environmental burden from the transport (module A4) has a noticeable impact on GWPluluc, AP, EPmarine, EPterrestrial and POCP.

The possible potentials of avoided loads of subsequent systems (module D) lie outside the considered system boundaries and relate exclusively to credits from recycling and thermal recycling by means of incineration with energy recovery of the different materials.

954,358 basic sets of 80 different product types were produced. For the assessment of the variability of the

results, all products were balanced and compared to the average product weighted by production volume. The different types of products all have the same function and differ mainly in terms of design, which has an influence on construction and materials used. The basic structure of the product types is always similar. Material type and quantity proportions do not differ much, as also shown in the average material composition table.

92% of the produced basic sets are close to or below the average value of GWP fossil. The products with deviations higher than the average product are only produced in smaller quantities (8% of total production). The maximum deviation is 518% and the minimum deviation is -68%. All top sellers are below the average.

The deviation correlates in general with the weight of the product. However, also the material composition does play a role in the variability. This is caused by the ratio of metal and plastic. The products with a higher plastic content cause a higher GWP impact in the end of life because they are incinerated instead of recycled.

7. Requisite evidence

The drinking water regulation determines the quality of drinking water at the point of withdrawal. This result in requirements for used materials in drinking water installations in general and therefore in sanitary fittings in particular.

All materials used by Hansgrohe SE, which are in contact with drinking water, fulfill the drinking water regulation.

Regulations for metals (Europe-wide):

- Acceptance of metallic materials used for products in contact with drinking water: 4MS Common Approach
 - Part A – Procedure for the acceptance
 - Part B – 4MS Common Composition List

- Metal recommendation of the federal environment agency: metal materials suitable for drinking water hygiene

Regulations for other materials (Germany):

- KTW: Assessment basis for plastics and other organic materials in contact with drinking water
- Elastomer guideline: Guideline for the hygienic assessment of elastomers in contact with drinking water
- Thermoplastic elastomers: Recommendation for the hygienic assessment of products made of thermoplastic elastomers in contact with drinking water (TPE transition recommendation)

- Ceramics: draft assessment basis for enamels and ceramic materials: assessment basis for enamels and ceramic materials in contact with drinking water (enamel/ceramic assessment basis)
- Lubricants: Guideline for the hygienic assessment of lubricants in contact with drinking water (sanitary lubricants), (Lubricant Guideline)

Regulation for other materials (France):

- ACS: Attestation de Conformité Sanitaire (plastics, elastomers, metals)

Regulation for other materials (UK):

- BS 69 20: Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of water (plastics, elastomers)

Products of the Hansgrohe SE are therefore uncritical to use with any drinking water.

8. References

Standards

EN 200

EN 200:2008: Sanitary tapware – Single taps and combination taps for water supply systems of type 1 and type 2

EN 816

EN 816:2017: Sanitary tapware – Automatic shut-off valves PN 10

EN 817

EN 817:2008: Sanitary tapware – Mechanical mixing valves (PN 10)

ISO 3822

ISO 3822: Acoustics – Laboratory tests on noise emission from appliances and equipment used in water supply installations

DIN 4102-1

DIN 4102-1: Fire behaviour of building materials and building components - Part 1: Building materials; concepts, requirements and tests. 1998-05

DIN EN ISO 9001

DIN EN ISO 9001:2015: Quality management systems - Requirements (ISO 9001:2015)

DIN EN 13501-1

DIN EN 13501-1:2019-05: Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests; German version EN 13501-1:2018

DIN EN ISO 14001

DIN EN ISO 14001:2015, Environmental management systems — Requirements with guidance for use, 2015-09

DIN EN ISO 14025

DIN EN ISO 14025: Environmental labels and declarations - Type III environmental declarations - Principles and procedures, 2011-10

EN 15804

DIN EN 15804:2012+A2:2019+AC:2021: Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products

DIN EN ISO 45001

DIN EN ISO 45001:2018: Occupational health and

safety management systems — Requirements with guidance for use. 2018-03

DIN EN ISO 50001

DIN EN ISO 50001:2018: Energy management systems — Requirements with guidance for use. 2018-08

Further References

AVV

Draft General administrative provision relating to the Order on the European list of wastes (Waste List Order – German designation: AVV) of 10 December 2001.

ECHA

European Chemicals Agency (ECHA) Candidate List of Substances of Very High Concern (SVHC) for Authorisation <https://echa.europa.eu/de/candidate-listtable>

Ecoinvent

ecoinvent 3.6 Database on Life Cycle Inventories (Life Cycle Inventory data), ecoinvent Association, Zürich, 2020

EU Ordinance on biocide Products No. 528/2012

European Parliament, 2012. Regulation (EU) no 528/2012 of the European parliament and of the council of 22 May 2012 concerning the making available on the market and use of biocidal products

Eurostat

Eurostat, last update 26/10/2021 on <https://ec.europa.eu/eurostat/databrowser/view/ten00063/default/table?lang=en>

GaBi

GaBi 10.6, GaBi Software System and Database for Life Cycle Engineering version 2021.2, Sphera Solutions GmbH, Leinfelden-Echterdingen, 1992-2021

IBU 2021

General Instructions for the EPD programme of Institut Bauen und Umwelt e.V. Version 2.0, Berlin: Institut Bauen und Umwelt e.V., 2021, www.ibu-epd.com

PCR Part A

Institut Bauen und Umwelt e.V. (IBU), Product Category Rules for Building-Related Products and Services. Part A: Calculation rules for the life cycle assessment and requirements on the project report. Version 2.1, Berlin, 11/2021

Appendix 5 – ISO 9001 certification

Document type	Revision	Revision date
Product Technical Specification & BPIR Hansgrohe Kitchen and bathroom products for water supply	1	16 August 2023



CERTIFICATE



This is to certify that

Hansgrohe Group

Hansgrohe SE

Auestraße 5 - 9
77761 Schiltach
Germany

with the organizational units/sites as listed in the annex
has implemented and maintains a **Quality Management System**.

Scope:

Development, manufacturing, sales of sanitary engineering products and services,
distribution logistics and customer service

Through an audit, documented in a report, it was verified that the management system
fulfills the requirements of the following standard:

ISO 9001 : 2015

Certificate registration no.	274110 QM15
Date of revision	2023-01-18
Valid from	2021-02-12
Valid until	2023-11-27
Date of certification	2023-01-18



DQS GmbH

Markus Bleher
Managing Director

DQS IS A MEMBER OF





Annex to certificate
Registration No. 274110 QM15

Hansgrohe SE

Auestraße 5 - 9
77761 Schiltach
Germany

Location

Scope

390294
Hansgrohe SE
Werk Schiltach West
Vor Heubach 1
77761 Schiltach
Germany

Manufacturing of sanitary engineering products

390301
Hansgrohe SE
Werk Offenburg
Kreuzwegstraße 41
77656 Offenburg
Germany

Manufacturing of sanitary engineering products, distribution logistics

390315
Hansgrohe Sanitary Products (Shanghai)
Co., Ltd.
No. 2999 Shenggang Road
Songjiang Industrial Zone (East)
201612 Shanghai
China

Manufacturing of sanitary engineering products

390327
Hansgrohe Wasselonne S.A.S.
Zone Industrielle du Parc d'activités "Les Pins"
67310 Wasselonne
France

Manufacturing and sales of sanitary engineering products

390329
Hansgrohe Inc.
1490 Bluegrass Lakes Parkway
Alpharetta, GA 30004
United States of America

Manufacturing and sales of sanitary engineering products, customer service and distributions logistics



Annex to certificate
Registration No. 274110 QM15

Hansgrohe SE

Auestraße 5 - 9
77761 Schiltach
Germany

Location

491839
Hansgrohe SE
Auestraße 5-9
77761 Schiltach
Germany

Scope

Development and sales of sanitary engineering products and services, customer service

543716
Hansgrohe SE
Werk Willstätt
Gebäude C115, C201
Industriestraße 1
77731 Willstätt
Germany

Manufacturing of sanitary engineering products