

Geberit International AG

Schachenstrasse 77
8645 Jona
Switzerland

Tel: 01926 516800

e-mail: enquiries@geberit.co.uk

website: www.geberit.co.uk



Agrément Certificate

20/5742

Product Sheet 1 Issue 4

GEBERIT SILENT-DB20 DRAINAGE SYSTEM

GEBERIT SILENT-DB20 PIPES AND FITTINGS

This Agrément Certificate Product Sheet⁽¹⁾ relates to Geberit Silent-db20 Pipes and Fittings, ranging from 56 to 150 mm in diameter, for use in above-ground drainage systems, for the collection and disposal of surface water and sewage in domestic, commercial and public buildings.

(1) Hereinafter referred to as 'Certificate'.

The assessment includes

Product factors:

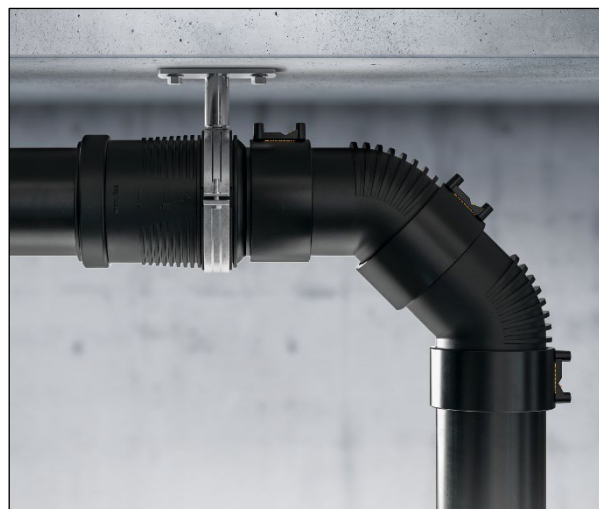
- compliance with Building Regulations
- compliance with additional regulatory or non-regulatory information where applicable
- evaluation against technical specifications
- assessment criteria and technical investigations
- uses and design considerations

Process factors:

- compliance with Scheme requirements
- installation, delivery, handling and storage
- production and quality controls
- maintenance and repair

Ongoing contractual Scheme elements†:

- regular assessment of production
- formal 3-yearly review



KEY FACTORS ASSESSED

- Section 1. Mechanical resistance and stability
- Section 2. Safety in case of fire
- Section 3. Hygiene, health and the environment
- Section 4. Safety and accessibility in use
- Section 5. Protection against noise
- Section 6. Energy economy and heat retention
- Section 7. Sustainable use of natural resources
- Section 8. Durability

The BBA has awarded this Certificate to the company named above for the products described herein. These products have been assessed by the BBA as being fit for their intended use provided they are installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of Fourth issue: 29 January 2026

Originally certified on 5 June 2020

Hardy Giesler
Chief Executive Officer

This BBA Agrément Certificate is issued under the BBA's Inspection Body accreditation to ISO/IEC 17020. Sections marked with † are not issued under accreditation.

The BBA is a UKAS accredited Inspection Body (No. 4345), Certification Body (No. 0113) and Testing Laboratory (No. 0357).

Readers MUST check that this is the latest issue of this Agrément Certificate by either referring to the BBA website or contacting the BBA directly.

The Certificate should be read in full as it may be misleading to read clauses in isolation.

Any photographs are for illustrative purposes only, do not constitute advice and should not be relied upon.

British Board of Agrément

1st Floor, Building 3, Hatters Lane
Croxley Park, Watford
Herts WD18 8YG

©2026

tel: 01923 665300
clientservices@bbacerts.co.uk
www.bbacerts.co.uk

SUMMARY OF ASSESSMENT AND COMPLIANCE

This section provides a summary of the assessment conclusions; readers should refer to the later sections of this Certificate for information about the assessments carried out.

Compliance with Regulations

Having assessed the key factors, the opinion of the BBA is that Geberit Silent-db20 Pipes and Fittings, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements of the following Building Regulations:



The Building Regulations 2010 (England and Wales) (as amended)

Requirement:	H1(1)	Foul water drainage
Comment:		The products can contribute to satisfying this Requirement. See sections 1 and 9 of this Certificate.
Requirement:	H3(1)	Rainwater drainage
Comment:		The products can contribute to satisfying this Requirement. See sections 1 and 9 of this Certificate.
Regulation:	7(1)	Materials and workmanship
Comment:		The products are acceptable. See sections 8 and 9 of this Certificate.
Regulation:	7(2)	Materials and workmanship
Comment:		The use of the products is restricted by this Regulation. See section 2 of this Certificate.



The Building (Scotland) Regulations 2004 (as amended)

Regulation:	8(1)(2)	Fitness and durability of materials and workmanship
Comment:		The products are acceptable. See sections 8 and 9 of this Certificate.
Regulation:	9	Building standards - construction
Standard:	2.2	Separation
Comment:		The use of the products is restricted by this Standard, with reference to clauses 2.2.4 ⁽²⁾ and 2.2.6 ⁽¹⁾ . See section 2 of this Certificate.
Standard:	2.6	Spread to neighbouring buildings
Comment:		The use of the products is restricted by this Standard, with reference to clauses 2.6.5 ⁽¹⁾ and 2.6.6 ⁽²⁾ . See section 2 of this Certificate.
Standard:	3.6	Surface water drainage
Comment:		The products can contribute to satisfying this Standard, with reference to clause 3.6.1 ⁽¹⁾⁽²⁾ . See sections 1 and 9 of this Certificate.
Standard:	3.7(b)(c)	Wastewater drainage
Comment:		The products can contribute to satisfying this Standard, with reference to clause 3.7.1 ⁽¹⁾⁽²⁾ . See section 1 of this Certificate.
Standard:	7.1(a)	Statement of sustainability
Comment:		The products can contribute to satisfying the relevant requirements of Regulation 9, Standards 1 to 6, and therefore will contribute to a construction meeting at least a bronze level of sustainability as defined in this Standard.

Regulation:	12	Building standards - conversion
Comment:	Comments in relation to the products under Regulation 9, Standards 1 to 6, also apply to this Regulation, with reference to clause 0.12.1 ⁽¹⁾⁽²⁾ and Schedule 6 ⁽¹⁾⁽²⁾ .	
	(1) Technical Handbook (Domestic).	
	(2) Technical Handbook (Non-Domestic).	



The Building Regulations (Northern Ireland) 2012 (as amended)

Regulation:	23(1)(a)(i)	Fitness of materials and workmanship
Comment:	(iii)(b)(i)	The products are acceptable. See sections 8 and 9 of this Certificate.
Regulation:	23(2)	Fitness of materials and workmanship
Comment:		The use of the products is restricted by this Regulation. See section 2 of this Certificate.
Regulation:	79	Drainage systems
Comment:		The products can contribute to satisfying this Regulation. See sections 1 and 9 of this Certificate.
Regulation:	80	Sanitary pipework
Comment:		The products can contribute to satisfying this Regulation. See section 9 of this Certificate.
Regulation:	82	Rainwater drainage
Comment:		The products can contribute to satisfying this Regulation. See sections 1 and 9 of this Certificate.

Additional Information

NHBC Standards 2026

In the opinion of the BBA, Geberit Silent-db20 Pipes and Fittings, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards*, Chapter 8.1 *Internal Services*.

The opinion of the BBA does not amount to any endorsement or approval by NHBC and does not in any way guarantee that NHBC will approve such product / system as compliant with the NHBC Technical Requirements and Standards.

Fulfilment of Requirements

The BBA has judged Geberit Silent-db20 Pipes and Fittings to be satisfactory for use as described in this Certificate. The products have been assessed for use in above-ground drainage system, for the collection and disposal of surface water and sewage in domestic, commercial and public buildings.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the products under assessment. Geberit Silent-db20 Pipes and Fittings (compatible with Geberit Silent-PP and HDPE Pipes and Fittings, the subjects of BBA Certificates 19/5697 and 19/5706, respectively) consist of a range of black mineral-reinforced polyethylene (PE) pipes and fittings (reducers, bends, SuperTube fittings, branches, couplings and offset fittings) and ethylene propylene diene monomer (EPDM) seals in 56 to 150 mm nominal diameters, as listed in Tables 1 to 6 of this Certificate.

Sealing of the joints requires rubber sealing rings supplied by Certificate holder. The seals are manufactured from EPDM to BS EN 681-1 : 1996, Type WC.

Pipes and fittings can be jointed using the following available methods depending on pipe dimensions:

- butt welding for DN 56-150
- electrofusion coupling for DN 56-150
- expansion socket for DN 70-150.

Ancillary Items

The Certificate holder recommends the following ancillary items for use with the products, but these materials have not been assessed by the BBA and are outside the scope of this Certificate:

- adaptors
- fixings and brackets for securing pipes.

Table 1 Pipes

Product code	DN	Product code	DN	Product code	DN
305.000.14.1	56	307.000.14.1	70	310.000.14.1	100
306.000.14.1	60	308.000.14.1	90	315.001.14.1	150

Table 2 Bends

Product code	DN	Product code	DN	Product code	DN
<i>Bend 15°</i>		<i>Bend 45°</i>		<i>Bend 60° with large leg</i>	
305.150.14.1	56	305.450.14.1	56	305.600.14.1	56
306.150.14.1	60	306.450.14.1	60	306.600.14.1	60
307.150.14.1	70	307.450.14.1	70	307.600.14.1	70
308.150.14.1	90	308.450.14.1	90	308.600.14.1	90
310.150.14.1	100	310.450.14.1	100	310.600.14.1	100
315.150.14.1	150	315.450.14.1	150	<i>Bend 88.5° with large leg</i>	
<i>Bend 30°</i>		<i>Bend 67°</i>		305.885.14.1	56
305.300.14.1	56	305.670.14.1	56	306.885.14.1	60
306.300.14.1	60	307.670.14.1	70	307.885.14.1	70
307.300.14.1	70	308.670.14.1	90	308.885.14.1	90
308.300.14.1	90	310.670.14.1	100	310.885.14.1	100
310.300.14.1	100	<i>Bend 88°</i>		315.885.14.1	150
315.300.14.1	150	305.880.14.1	56	<i>Bend 90° with large leg</i>	
<i>Bend 90°, extended, with small radius</i>		306.880.14.1	60	306.008.14.1	60
308.883.14.1	90/90	307.880.14.1	70	310.008.14.1	100
310.883.14.1	100/90	308.880.14.1	90	<i>Offset fitting</i>	
<i>Connection bend 90°, extended</i>		310.880.14.1	100	310.048.14.1	100
305.905.14.1	56	<i>Connection bend 90° for wall-hung WC, shortened, with small radius</i>			
305.906.14.1	56	308.881.14.1	90		
305.904.14.1	56	310.881.14.1	100		
305.907.14.1	56				

Table 3 Reducers

Product code	DN	Product code	DN	Product code	DN
<i>Reducer, eccentric, short</i>		<i>Reducer, eccentric</i>		<i>Reducer, concentric</i>	
306.050.14.1	60/56	310.050.14.1	100/56	310.052.14.1	100/56
307.050.14.1	70/56	310.060.14.1	100/60	310.062.14.1	100/60
307.060.14.1	70/60	310.070.14.1	100/70	310.072.14.1	100/70
308.050.14.1	90/56	310.080.14.1	100/90	310.082.14.1	100/90
308.060.14.1	90/60	315.100.14.1	150/100		
308.070.14.1	90/70				

Table 4 SuperTube

Product code	DN	Product code	DN	Product code	DN
<i>Sovent</i>		<i>SuperTube BottomTurn bend</i>		<i>SuperTube BackFlip bend</i>	
310.049.14.1	100	310.051.14.1	100	310.053.14.1	100

Table 5 Branch fittings

Product code	DN	Product code	DN	Product code	DN
<i>Branch 45°</i>		<i>Branch 88.5°</i>		<i>Quadruple branch 88.5°</i>	
305.054.14.1	56/56	305.058.14.1	56/56	310.445.14.1	100/56
306.054.14.1	60/56	306.058.14.1	60/56	<i>Duct branch 88.5°, swept entry, right</i>	
306.064.14.1	60/60	306.068.14.1	60/60	308.875.14.1	90/90/56
307.054.14.1	70/56	307.058.14.1	70/56	308.871.14.1	90/90/70
307.064.14.1	70/60	307.068.14.1	70/60	310.875.14.1	100/90/56
307.074.14.1	70/70	307.078.14.1	70/70	310.871.14.1	100/90/70
308.054.14.1	90/56	308.058.14.1	90/56	310.171.14.1	100/100/70
308.064.14.1	90/60	308.068.14.1	90/60		
308.074.14.1	90/70	308.078.14.1	90/70		
308.084.14.1	90/90	308.088.14.1	90/90	<i>Combined branch 88.5°, swept entry</i>	
310.054.14.1	100/56	310.058.14.1	100/56	308.811.14.1	90/90/56
310.064.14.1	100/60	310.068.14.1	100/60	310.811.14.1	100/90/56
310.074.14.1	100/70	310.078.14.1	100/70	310.813.14.1	100/100/56
310.084.14.1	100/90	315.148.14.1	150/150	<i>Parallel branch 45°</i>	
310.104.14.1	100/100	315.108.14.1	150/100	308.081.14.1	90/90
315.144.14.1	150/150	<i>Double branch 88.5°, swept entry</i>		310.081.14.1	100/90
315.104.14.1	150/100	308.082.14.1	90	310.101.14.1	100/100
<i>Branch 88.5°, swept entry</i>		310.102.14.1	100	<i>Combined corner branch 88.5°, swept entry, left</i>	
308.089.14.1	90/90	<i>Corner branch 88.5°, swept entry</i>		308.817.14.1	90/90/56
310.088.14.1	100/90	308.083.14.1	90/90	310.817.14.1	100/90/56
310.108.14.1	100/100	310.083.14.1	100/100	310.117.14.1	100/100/56
<i>Duct branch 88.5°, swept entry, left</i>		<i>Corner branch 88.5°/135°, swept entry</i>		<i>Combined corner branch 88.5°, swept entry, right</i>	
308.874.14.1	90/90/56	310.105.14.1	100/100	308.815.14.1	90/90/56
308.872.14.1	90/90/70			310.815.14.1	100/90/56
310.874.14.1	100/90/56			310.115.14.1	100/100/56
310.872.14.1	100/90/70				
310.172.14.1	100/100/70				

Table 6 Electro fusion coupling

Product code	DN	Product code	DN	Product code	DN
363.771.16.1	56	365.771.16.1	70	367.771.16.1	100
364.771.16.1	60	366.771.16.1	90	369.771.16.1	150

Applications

The products are intended for use in:

- above-ground drainage, inside buildings, as defined by application area code "B" in BS EN 1519-1 : 2019
- domestic, commercial and public buildings and in installations designed in accordance with BS EN 12056-1 : 2000, BS EN 12056-2 : 2000 and BS EN 12056-3 : 2000 for the conveyance of surface water and domestic sewage as is permitted to be discharged into public sewers by the Water Industry Act 1991 (England and Wales), and surface water and sewage as is permitted and defined by the Sewerage (Scotland) Act 1968 and the Water and Sewerage Services (Northern Ireland) Order 2006.

Product assessment – key factors

The products were assessed for the following key factors, and the outcomes of the assessments is shown below. Conclusions relating to the Building Regulations apply to the whole of the UK unless otherwise stated.

1 Mechanical resistance and stability

Data were assessed for the following characteristics.

1.1 Mechanical properties

On the basis of data assessed, the products are deemed to be sufficiently robust to withstand handling, transport, storage and installation.

1.2 Performance of joints

1.2.1 Results of tightness tests are given in Table 7.

Table 7 Characteristics for performance of joints

Product assessed	Assessment method	Requirement	Result
Pipes, fittings and seals (system)	Tightness of joints to BS EN ISO 13259 : 2018	No leakage	Pass
	Watertightness to BS EN ISO 13254 : 2017	No leakage	Pass
	Airtightness to BS EN ISO 13255 : 2017	No leakage	Pass

1.2.2 On the basis of data assessed, the products are deemed fit for purpose for the ability to hold fluid inside and outside the system.

1.2.3 The joints, when correctly made, will not be adversely affected by thermal movement and remain tight under conditions of pipeline movement in excess of those expected to occur in normal good drainage practice.

1.3 Flow characteristics

1.3.1 The result of characteristic tested are given in Table 8.

Table 8 Characteristics for flow

Product assessed	Assessment method	Requirement	Result
SuperTube DN100 system	Maximum flow to SKZ method ⁽¹⁾	Value achieved	12 l·s ⁻¹

(1) Comparison with two ventilation systems, as per BS EN 12056-2 : 2000, the secondary ventilation system with angle branch DN 150/DN 100 and the main ventilation system with angle branch DN 150, used as references.

1.3.2 On the basis of data assessed, the products are deemed to have satisfactory flow characteristics.

1.3.3 Use of Sovent fitting in a stack allows the design capacity of a DN100 primary ventilated stack to be increased to 12 l·s⁻¹, avoiding the need for additional ventilation.

1.3.4 Offsets in the wet portion of a discharge stack should be avoided. However, if unavoidable, large radius bends should be used (see BS EN 12056-2 : 2000, Annex 3.5.4). A ventilation stack may be necessary above and below the offset.

1.3.5 The SuperTube system includes DN100 Sovent fitting, BottomTurn bend and BackFlip bend. It ensures a continuous air column in stacks, enables a maximum capacity of 12 l·s⁻¹ in a DN100 single-stack system, eliminates necessity of using pressure relief pipe for a change of direction within the stack pipe (vertical to horizontal and horizontal to vertical) and is to be used in buildings with more than five storeys (high-rise buildings).

2 Safety in case of fire

Data were assessed for the following characteristics.

2.1 Reaction to fire

2.1.1 The products were tested for reaction to fire, and the classification is given in Table 9.

Table 9 Reaction to fire classification

Product assessed	Assessment method	Requirement	Result
Pipes and fittings	Reaction to fire to EN 13501-1 : 2018	Declared value	E ⁽¹⁾

(1) Prüfinstitut Hoch, report no KB-Hoch-170872-3, 12 August 2022. Copies are available from the Certificate holder on request.

2.1.2 On the basis of the data assessed, use of the products is restricted in some cases.

2.1.3 In England, Wales and Northern Ireland, the products must not be used in external walls of buildings that have a storey at least 18 m above ground level and contain: one or more dwellings, an institution, a room for residential purposes (excluding, in Wales and Northern Ireland only, any room in a hostel, hotel or boarding house), student accommodation, care homes, sheltered housing, hospitals or dormitories in boarding schools and, additionally in Northern Ireland, nursing homes and places of lawful detention.

2.1.4 In Scotland, the products must not be used 1 m or less from a relevant boundary, or in external walls of domestic high rise buildings or in separating walls and, in some cases, separating floors.

2.1.5 In common with other plastic materials, the products are combustible and, in a fire, may ignite and burn. Consideration must be given to the need for protective, fire-resistant ducting when assessing the fire risk in a building, particularly where large quantities of piping may otherwise be exposed.

2.2 Resistance to fire

The national Building Regulations concerning the prevention of fire spread by fire-stopping must be taken into account at the design stage, if the products pass through a fire rated wall or floor.

3 Hygiene, health and the environment

Not applicable.

4 Safety and accessibility in use

Not applicable.

5 Protection against noise

Not applicable.

6 Energy economy and heat retention

Not applicable.

7 Sustainable use of natural resources

The products are manufactured from PE, which can be recycled.

8 Durability

8.1 The potential mechanisms for degradation and the known performance characteristics of the materials in the products were assessed.

8.2 Specific test data were assessed as given in Table 10.

Table 10 Characteristics for durability

Product assessed	Assessment method	Requirement	Result
Pipes	Longitudinal reversion to BS EN ISO 2505 : 2005	$\leq 3\%$ No bubbles or cracks	Pass
Injection-moulded fittings	Effects of heating to BS EN ISO 580 : 2005	Depth of cracks, delamination or blisters is less than 20% of the wall thickness around the injection points. No part of the weld line is open to a depth of more than 20% of the wall thickness	Pass
Pipes, couplers and seals (system)	Elevated temperature cycling to BS EN ISO 13257 : 2018	No leakage before and after the test	Pass
PP material (middle layer)	Thermal stability (OIT) to BS EN 11357-6 : 2018	Declared value	≥ 5 min

8.2.1 On the basis of data assessed, the products are deemed to be suitably resistant to high temperatures and corrosion by water with a wide range of pH-values with which they are likely to come into contact in service, excluding chemically contaminated wastewaters. Details of the chemical resistance of the materials are given in PD ISO/TR 10358 : 2021 and PD ISO/TR 7620 : 2005.

8.3 Cleaning and maintenance

8.3.1 A system comprising the products must be designed so that access for cleaning and maintenance is provided. Sections of the system can be removed and replaced.

8.3.2 On the basis of data assessed, the products are suitably designed and resistant to cleaning and maintenance activities.

8.4 Service life

Under normal service conditions, the products will have a life at least equivalent to the life of the building in which they are installed, provided they are designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

PROCESS ASSESSMENT

Information provided by the Certificate holder was assessed for the following factors:

9 Design, installation, workmanship and maintenance

9.1 Design

Installations containing the products must be designed in accordance with BS EN 12056-1 : 2000, BS EN 12056-2 : 2000 and BS EN 12056-3 : 2000.

9.2 Installation

9.2.1 Installation instructions provided by the Certificate holder were assessed and judged to be appropriate and adequate.

9.2.2 Installation must be carried out in accordance with this Certificate and the Certificate holder's instructions. A summary of instructions and guidance is provided in Annex A of this Certificate.

9.2.3 To achieve the performance described in this Certificate, the products must be installed and tested in accordance with BS EN 12056-5 : 2000 and PD CEN/TR 13801 : 2014.

9.3 Workmanship

Practicability of installation was assessed by the BBA, on the basis of the Certificate holder's information and a site visit to witness an installation in progress. To achieve the performance described in this Certificate, installation of the products must be carried out by a competent general builder, or a contractor, experienced with these types of products.

9.4 Maintenance and repair

9.4.1 Ongoing satisfactory performance of the products in use requires that it is suitably maintained. The guidance provided by the Certificate holder was assessed by the BBA and found to be appropriate and adequate.

9.4.2 The following requirements apply in order to satisfy the performance assessed in this Certificate:

9.4.2.1 Access to a system for cleaning must be provided by conventional means.

10 **Manufacture**

10.1 The production processes for the products have been assessed, and provide assurance that the quality controls are satisfactory according to the following factors:

10.1.1 The manufacturer has provided documented information on the materials, processes, testing and control factors.

10.1.2 The quality control operated over batches of incoming materials has been assessed and deemed appropriate and adequate.

10.1.3 The quality control procedures and product testing to be undertaken have been assessed and deemed appropriate and adequate.

10.1.4 The process for management of non-conformities has been assessed and deemed appropriate and adequate.

10.1.5 An audit of each production location was undertaken, and it was confirmed that the production process was in accordance with the documented process, and that equipment has been properly tested and calibrated.

† 10.2 The BBA has undertaken to review the above measures on a regular basis through a surveillance process, to verify that the specifications and quality control operated by the manufacturer are being maintained.

11 **Delivery and site handling**

11.1 The Certificate holder stated that the products are delivered to site as follows:

- pipes are marked with the brand, production date, nominal diameter, wall thickness, length, material, series, area code, EN 1519-1 identification and the BBA Certificate number. Fittings are marked with the brand, nominal diameter, angle, material and production date
- labels indicating product name, code and size, production date and site ID, order number and number of units
- pipes, in different quantities and depending on size, are connected with pipe clamps and form a pipe bundle. Several pipe bundles are packed on cardboard or wooden frames and then on pallets
- fittings are packed in plastic bags or loosely in cardboard boxes all containing the same type of product. The boxes are placed on pallets.

11.2 Delivery and site handling must be performed in accordance with the Certificate holder's instructions and this Certificate, including:

11.2.1 Requirements for transportation on site, storage, and lifting of components in accordance with PD CEN/TR 13801 : 2014.

11.2.2 The products should be transported in their original packaging if possible. During unloading, they must be handled with care. Pipes must not be dragged across the floor or pulled over edges.

11.2.3 Care must be taken not to drop the products on their ends or drag them, particularly during cold weather conditions. Pipes must be stored on a flat surface.

11.2.4 The products must be protected from direct sunlight if long-term storage is envisaged.

Supporting information in this Annex is relevant to the product but has not formed part of the material assessed for the Certificate.

Construction (Design and Management) Regulations 2015

Construction (Design and Management) Regulations (Northern Ireland) 2016

Information in this Certificate may assist the client, designer (including Principal Designer) and contractor (including Principal Contractor) to address their obligations under these Regulations.

CE marking

The Certificate holder has taken the responsibility of CE marking the product in accordance with EN 681-1 : 1996.

Management Systems Certification for production

The management system of the manufacturer has been assessed and registered as meeting the requirements of ISO 9001 : 2015, ISO 14001 : 2015 and ISO 45001 : 2018 by SQS (Certificate H20644).

Additional information on installation

A.1 Special attention should be paid to appropriate:

- election of pipe welding and working tools
- election of connection depending on technology type and pipe dimensions
- pipe fastening, considering thermal expansion, sliding and rigid installation
- installation in concrete
- adaptor for Geberit Silent-PP and HDPE, and third party materials
- planning and installation of discharge stack with Sovent fitting and SuperTube system.

A.2 A Sovent fitting must be installed at each floor above the ground floor, even if appliances are not connected. The underground or horizontal collector pipe must be DN150 in diameter and a pressure relief line must be installed at the bend at the bottom of the stack. The maximum distance between two Sovent fittings must not exceed 6 m.

Bibliography

BS EN 681-1 : 1996 *Elastomeric seals — Material requirements for pipe joint seals used in water and drainage applications — Vulcanized rubber*

BS EN 1519-1 : 2019 *Plastic piping systems for soil and waste discharge (low and high temperature) within the building structure — Polyethylene (PE) — Requirements for pipes, fittings and the system*

BS EN 11357-6 : 2018 *Plastics — Differential scanning calorimetry (DSC) — Determination of oxidation induction time (isothermal OIT) and oxidation induction temperature (dynamic OIT)*

BS EN 12056-1 : 2000 *Gravity drainage systems inside buildings — General and performance requirements*

BS EN 12056-2 : 2000 *Gravity drainage systems inside buildings — Sanitary pipework, layout and calculation*

BS EN 12056-3 : 2000 *Gravity drainage systems inside buildings — Roof drainage, layout and calculation*

BS EN 12056-5 : 2000 *Gravity drainage systems inside buildings — Installation and testing, instructions for operation, maintenance and use*

BS EN ISO 580 : 2005 *Plastics piping and ducting systems — Injection-moulded thermoplastics fittings — Methods for visually assessing the effects of heating*

BS EN ISO 2505 : 2005 *Thermoplastics pipes — Longitudinal reversion — Test methods and parameters*

BS EN ISO 13254 : 2017 *Thermoplastics piping systems for non-pressure applications — Test method for watertightness*

BS EN ISO 13255 : 2017 *Thermoplastics piping systems for soil and waste discharge inside buildings — Test method for airtightness of joints*

BS EN ISO 13257 : 2018 *Thermoplastics piping systems for non-pressure applications — Test method for resistance to elevated temperature cycling*

BS EN ISO 13259 : 2018 *Thermoplastics piping systems for underground non-pressure applications — Test method for leaktightness of elastomeric sealing ring type joints*

EN 13501-1 : 2018 *Fire classification of construction products and building elements - Classification using data from reaction to fire tests*

ISO 9001 : 2015 *Quality management system — Requirements*

ISO 14001 : 2015 *Environmental management system — Requirements*

ISO 45001 : 2018 *Occupational health and safety management systems — Requirements with guidance for use*

PD ISO/TR 7620 : 2005 *Rubber materials — Chemical resistance*

PD CEN/TR 13801 : 2014 *Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure — Thermoplastics — Recommended practice for installation*

PD ISO/TR 10358 : 2021 *Plastics pipes and fittings for industrial applications — Collection of data on combined chemical-resistance*

Conditions

1 This Certificate:

- relates only to the product that is named and described on the front page
- is issued only to the company, firm, organisation or person named on the front page – no other company, firm, organisation or person may hold or claim that this Certificate has been issued to them
- has to be read, considered and used as a whole document – it may be misleading and will be incomplete to be selective
- is copyright of the BBA
- and any matter arising out of or in connection with it or its subject matter (including non-contractual disputes or claims) is governed by and construed in accordance with the law of England and Wales.
- the courts of England and Wales shall have exclusive jurisdiction to settle any matter arising out of or in connection with this Certificate or its subject matter (including non-contractual disputes or claims).

2 Publications, documents, specifications, legislation, regulations, standards and the like referenced in this Certificate are those that were current and/or deemed relevant by the BBA at the date of issue or reissue of this Certificate.

3 This Certificate will be displayed on the BBA website, and the Certificate Holder is entitled to use the Certificate and Certificate logo, provided that the product and its manufacture and/or fabrication, including all related and relevant parts and processes thereof:

- are maintained at or above the levels which have been assessed and found to be satisfactory by the BBA
- continue to be checked as and when deemed appropriate by the BBA under arrangements that it will determine
- are reviewed by the BBA as and when it considers appropriate.

4 The BBA has used due skill, care and diligence in preparing this Certificate, but no warranty is provided.

5 In issuing this Certificate the BBA is not responsible and is excluded from any liability to any company, firm, organisation or person, for any matters arising directly or indirectly from:

- the presence or absence of any patent, intellectual property or similar rights subsisting in the product or any other product
- the right of the Certificate holder to manufacture, supply, install, maintain or market the product
- actual installations of the product, including their nature, design, methods, performance, workmanship and maintenance
- any works and constructions in which the product is installed, including their nature, design, methods, performance, workmanship and maintenance
- any loss or damage, including personal injury, howsoever caused by the product, including its manufacture, supply, installation, use, maintenance and removal
- any claims by the manufacturer relating to UKCA marking and CE marking.

6 Any information relating to the manufacture, supply, installation, use, maintenance and removal of this product which is contained or referred to in this Certificate is the minimum required to be met when the product is manufactured, supplied, installed, used, maintained and removed. It does not purport in any way to restate the requirements of the Health and Safety at Work etc. Act 1974, or of any other statutory, common law or other duty which may exist at the date of issue or reissue of this Certificate; nor is conformity with such information to be taken as satisfying the requirements of the 1974 Act or of any statutory, common law or other duty of care.