

Certificate of Product Approval

Certificate Number: 684a

Issue: 04

Aquatherm GmbH

Biggen 5
D-57439 Attendorn
Germany



is certified by BRE Global Ltd. and is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirement(s) of the standards as detailed below:

Products

Plastic pipes and fittings
(refer to attached appendix for details)

Standards

LPS 1260: Issue 3.1
Plastic Pipe and Fittings for Use in Automatic
Sprinkler Systems

This certificate and appendix is maintained and held in force through regular surveillance activities

RE Brown

Signed for BRE Global Ltd.

Robert Brown
Verifier

3 January 2019
Date of Issue

1 February 2006
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

Appendix to Certificate No: 684a Aquatherm GmbH

Issue: 04

Aquatherm GmbH 'Red Pipe' PPR Plastic Pipe & Fittings

| Product Name | Nominal Diameter Range (mm) | Maximum Working Pressure (bar) | LPCB Ref. No. |
|---------------------------|---|--------------------------------|---------------|
| 'Red Pipe' Sprinkler Pipe | 20, 25, 32, 40, 50, 63, 75, 90, 110, 125 | 12 | 684a/01 |
| Socket | 20, 25, 32, 40, 50, 63, 75, 90, 110, 125 | 12 | 684a/02 |
| Reducer | 25/20, 32/25, 40/32, 50/20, 50/32, 50/40, 63/20, 63/50, 75/50, 75/63, 90/63, 90/75, 110/63, 110/90, 125/90, 125/110 | 12 | 684a/03 |
| Elbow, 90° | 20, 25, 32, 40, 50, 63, 75, 90, 110, 125 | 12 | 684a/04 |
| Elbow, 45° | 20, 25, 32, 40, 50, 63, 75, 90, 110, 125 | 12 | 684a/05 |
| Tee | 20, 25, 32, 40, 50, 63, 75, 90, 110, 125 | 12 | 684a/06 |
| Reducing Tee | 20x25x20, 25x20x20, 25x20x25, 32x20x20, 32x20x32, 32x25x32, 40x20x40, 40x25x40, 40x32x40, 50x20x50, 50x25x50, 50x32x50, 50x40x50, 63x32x63, 63x40x63, 63x50x63, 75x40x75, 75x50x75, 75x63x75, 90x40x90, 90x50x90, 90x63x90, 90x75x90, 110x63x110, 110x75x110, 110x90x110, 125x75x125, 125x90x125, 125x110x125 | 12 | 684a/07 |
| End Cap | 20, 25, 32, 40, 50, 63, 75, 90, 110, 125 | 12 | 684a/08 |
| Socket Welded Nipple | 32, 40, 50, 63, 75, 90, 110, 125 | 12 | 684a/09 |
| Saddle Weld-in | 40/20, 40/25, 50/20, 50/25, 63/20, 63/25, 63/32, 75/20, 75/25, 75/32, 75/40, 90/20, 90/25, 90/32, 90/40, 110/20, 110/25, 110/32, 110/40, 110/50, 125/20, 125/25, 125/32, 125/40, 125/50, 125/63 | 12 | 684a/10 |
| Coupling screw joint | 32, 40, 50, 63, 75 | 12 | 684a/11 |
| Wall connection | 20x½"F, 25x¾"F | 12 | 684a/12 |
| Transition piece Female | 20x½"F, 20x¾"F, 25x½"F, 25x¾" F, 32x½"F, 32x¾"F, 32x1"F, 40x½"F, 40x1"F, 40x1¼"F, 50x1¼"F, 50x1½"F, 63x1½"F, 63x2"F, 75x2" | 12 | 684a/13 |

This certificate and appendix is maintained and held in force through regular surveillance activities

RE Brown

Signed for BRE Global Ltd.

Robert Brown

Verifier

3 January 2019

Date of Issue

1 February 2006

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX

T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

Appendix to Certificate No: 684a Aquatherm GmbH

Issue: 04

| Product Name | Nominal Diameter Range (mm) | Maximum Working Pressure (bar) | LPCB Ref. No. |
|--|--|--------------------------------|---------------|
| Transition piece Male | 20x½"M, 20x¾"M, 25x½"M, 25x¾"M, 32x¾"M, 32x1¼"M, 40x1"M, 40x1¼"M, 50x1¼"M, 50x1½"M, 63x1½"M, 63x2"M, 75x2"M, 75x2½"M, 90x3"M, 110x4"M | 12 | 684a/14 |
| Connecting Union | 20/nut R 1", 25/nut R 1 ¼", 32/nut R 1 ½", 40/nut R 2", 50/nut R 2 ¼", 50/nut 2 ½", 63/nut R 2 ¾", 75/nut R3 ½", 90/nut R 4" | 12 | 684a/15 |
| Transition joint | nut R 1"x20, nut R 1¼"x25, nut R 1½"x32, nut R 2"x40, nut R 2¼"x50, nut R 2¾"x63, nut R 3½"x75 | 12 | 684a/16 |
| Counterpart | 1"Mx20, 1 ¼"Mx25, 1½"Mx32, 2"Mx40, 2¼"Mx50, 2¾"Mx63, 3½"Mx75 | 12 | 684a/17 |
| Transition Tee | 20x½"Fx20, 20x¾"Fx20, 25x½"Fx25, 25x¾"Fx25, 32x½"Fx32, 32x¾"Fx32, 32x1"Fx32, 40x½"Fx40, 40x¾"Fx40, 50x1"Fx40, 50x1"Fx50, 50x1¼"Fx50 | 12 | 684a/18 |
| Saddle Weld-in with Female thread & hexagon socket | 40/25x½"F, 50/25x½"F, 63/25x½"F, 75/25x½"F, 90/25x½"F, 110/25x½"F, 125/25x½"F, 40/25x¾"F, 50/25x¾"F, 3/25x¾"F, 75/25x¾"F, 90/25x¾"F, 110/25x¾"F, 125/125x¾"F, 75/32x1"F, 90/32x1"F, 110/32x1"F, 125/32x1"F | 12 | 684a/19 |
| Screw-down valve | 20, 25, 32, 40 | 12 | 684a/20 |
| Inclined valve | 20, 25, 32, 40 | 12 | 684a/21 |
| Ball cock | 75, 90 | 12 | 684a/22 |
| Draining branch | 40, 50, 63 | 12 | 684a/23 |
| Reducing Socket | 63/50, 75/63, 90/75 | 12 | 684a/24 |
| Elbow, 90° Female/Male | 20, 25, 32, 40 | 12 | 684a/25 |
| Elbow, 45° Female/Male | 20, 25, 32, 40 | 12 | 684a/26 |
| Cross | 32, 40 | 12 | 684a/27 |

This certificate and appendix is maintained and held in force through regular surveillance activities

RE Brown

Signed for BRE Global Ltd.

Robert Brown

Verifier

3 January 2019

Date of Issue

1 February 2006

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

Appendix to Certificate No: 684a Aquatherm GmbH

Issue: 04

| Product Name | Nominal Diameter Range (mm) | Maximum Working Pressure (bar) | LPCB Ref. No. |
|--|---|--------------------------------|---------------|
| Reducing cross | 50/32, 63/32, 63/40, 75/32, 75/40, 75/50, 90/50 | 12 | 684a/28 |
| Transition piece round Female | 20x½" F, 25x½" F, 25x¾" F, 32x½" F, 32x¾" F, 40x¾" F, 40x½" F | 12 | 684a/29 |
| Transition Elbow, 90°C | 20x½" F, 20x¾" F, 25x½" F, 25x¾" F, 32x½" F, 32x¾" F, 32x1" F, 40x½" F, 40x1" F | 12 | 684a/30 |
| Transition piece for groove connection | 40x1", 50x1¼", 63x1½" 75x2", 90x3", 110x4", 125x5" | 12 | 684a/31 |

Notes:

1. The system of pipes and fittings must be installed in accordance with the Aquatherm installation instructions, which include Annex "Technical instruction aquatherm red pipe" dated 01/12/2012 issue 2.
2. The maximum normal ambient temperature of use shall not exceed 70°C.
3. The products shall only be installed by LPCB Certificated or Registered Installing companies (see Part 5, Section 1A and 1B) or by firms outside the UK who can provide evidence of personnel training in the installation of the product. It is recommended that firms engaged in the installation of this product also be Certificated to ISO 9000.

This certificate and appendix is maintained and held in force through regular surveillance activities

RE Brown

Signed for BRE Global Ltd.

Robert Brown

Verifier

3 January 2019

Date of Issue

1 February 2006

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre