



# CERTIFICATE OF CONFORMITY

This is to certify that

## The KE KELIT VSH XPress GAS Fittings System

### Complies with the New Zealand Building Code:

- Performance Clause B1.3.2
- Performance Clause B2.3.1 (a)
- Performance Clause F2.3.1
- Performance Clause G10.3.1, G10.3.2, G10.3.3, G10.3.5 & G10.3.6
- Performance Clause G11.3.1 & G11.3.5
- Compliance with other clauses fall outside the scope of this certificate.

### Subject to the following:

#### Limitations of use -

- A. All designs and construction shall be within the requirements and the tables set out in the VSH XPress GAS Australasian Technical Specification Rev1 and in Limitation D - available from the manufacturer's web site [www.kekelit.co.nz](http://www.kekelit.co.nz), including design velocities in accordance with the corresponding European standards referenced, and all other uses are outside the scope of this certificate.
- B. Accessories, componentry, and the like are to comply with that specified in the VSH XPress GAS Australasian Technical Specification Rev1 and the KE KELIT (NZ) Ltd.'s Building Product Quality Plan Rev 8;
- C. Installation shall be performed by KE KELIT trained and approved installers, who shall be Registered Certifying Gasfitter or a Registered Licensed Gasfitter under the supervision of a Certifying Gasfitter.
- D. Installation and maintenance - where applicable - of the VSH XPress GAS Fittings, shall be in accordance with the VSH XPress GAS Fittings Australasian Technical Specification Rev 1 and the VSH XPress GAS distributed by KE KELIT Technical Manual Revision 1.3;

#### Conditions of certification -

- E. The Building Product Quality Plan for the KE KELIT 's VSH Xpress GAS Fittings system shall be reviewed and subject to audit at their head office and building sites by the issuer at least once a year;
- F. This CodeMark Certificate shall be revalidated on an annual basis;
- G. This CodeMark Certificate is subject to S15 of the Building Product Certification Regulations 2008.

#### Technical information:

Information that forms part of this certificate or the basis for certification is available from the issuer on request and may be subject to a fee.

**Note that this certificate may only be reproduced in its entirety. Page 1 of 2**



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### Product description

KE KELIT VSH XPress GAS Fittings are manufactured from copper and stainless steel suited for use with stainless steel pipes, to be manufactured in accordance with EN 10312:2002 or, copper pipes that satisfy EN1057:2006 R250 R290.

### Product purpose or use

The KE KELIT VSH XPress GAS Fittings are used for the conveyance of natural gas or Liquid Petroleum Gas.

### Certificate Holder



**KE KELIT NZ Ltd**  
 12 Gregory Street, Naenae,  
 Lower Hutt 5011  
 +64 (04) 568 4870 (New Zealand)  
[www.kekelit.co.nz](http://www.kekelit.co.nz)

### CodeMark Certification Body

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 E-Mail: [bcs@beal.co.nz](mailto:bcs@beal.co.nz)  
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**C R Prouse**  
 Director  
 BEAL Certification Service

1 June 2018

**Date of issue**

BCS-1710118-CMNZ

**Certificate Number**

This certificate is issued by an independent certification body accredited by the product certification accreditation body appointed by the Chief Executive of the Ministry of Business, Innovation and Employment (MBIE) under the Building Act 2004. MBIE does not in any way warrant, guarantee, or represent that the building method or product the subject of this certificate conforms with the New Zealand Building Code, nor accept any liability arising out of the use of the building method or product. MBIE disclaims, to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages, and costs arising as a result of the use of the building method(s) or product(s) referred to in this certificate.



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## General Limitations:

- It is advisable to always use corrosion protection on the piping in situations where corrosion is likely to occur (damp room, crawl spaces, etc.).
- Installers are required to hold a KE KELIT Installation training card.
- KE KELIT approved tools must only be used as outlined in the VSH XPress GAS Systems Training Handbook and the VSH XPress GAS distributed by KE KELIT NZ Technical Manual Revision 1.3.

## Stainless Steel Limitations:

- Installation requirements limit temperature to between -20°C and +70°C, and pressure to 500 kPa.
- Insulating materials that release chloride ions in water or which could cause a local increase in chloride ions are not permitted. The weight ratio of water-solution chloride ions in the thermal insulation of the pipe may not exceed 0.05%
- When built-in, the pipe and fittings must be wrapped by an elastic and pliable coating that separates the installation completely from the building so that there is no direct contact.
- Stainless steel pipes may not be bent warm.
- For installations using HNBR "O" Rings.
- Stainless Steel pipes should not be stored outside.

## Copper Limitations:

- Installation requirements limit temperature to between -20°C and +70°C, and pressure to 500 kPa.
- Copper pipes must be protected from the impact of outer corrosion, such as sulphites, nitrites and ammonia. Insulating materials must be nitrate free (i.e. contain no more than 0.02% nitrate).
- For installations using NBR "O" Rings.
- Copper tube is not for installation below ground, unless installed in protective ducting.
- Fittings can only be used with copper pipes conforming to R250/290 of EN 1057:2006.
- Copper pipes should not be stored outside.



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**C R Prouse  
Director  
BEAL Certification Service**

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