



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 14291:2004

ICS 23.040.99

**FOAM PRODUCING SOLUTIONS FOR LEAK
DETECTION ON GAS INSTALLATIONS**

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*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland and comes into
effect on:
April 14, 2005*

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

EN 14291

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2004

ICS 23.040.99

English version

Foam producing solutions for leak detection on gas installations

Solution pour le détection des fuites aux installations de gaz

Schaumbildende Lösungen zu Lecksuche an Gasinstallationen

This European Standard was approved by CEN on 23 September 2004.

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Foreword

This document (EN 14291:2004) has been prepared by Technical Committee CEN/TC 108 “Sealing materials and lubricants for gas appliances and gas equipment”, the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2005, and conflicting national standards shall be withdrawn at the latest by May 2005.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

EN 14291:2004 (E)

Introduction

There are different methods to detect and localize leaks on gas installation and gas equipment. One commonly used method is the application of surface-active aqueous solutions of detergents that produce foam on leaking gas installations. This standard specifies several important requirements for foam producing solutions especially for the detection of small leaks e.g. surface tension, foam stability, corrosiveness, and compatibility with sealing materials and lubricants.

It should be mentioned that excessive and repeated use of these aqueous detergent solutions on old threaded joints sealed with natural fibres (e. g. hemp or flax) and unsuitable sealing materials can temporarily seal a leaking joint by swelling of the natural fibres.

Since some plastic and copper pipe materials may be attacked by surface-active aqueous solutions of detergents used for leak detection, it is generally recommended to rinse plastic and copper pipes with water after leak detection by foam producing solutions according to this standard.

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