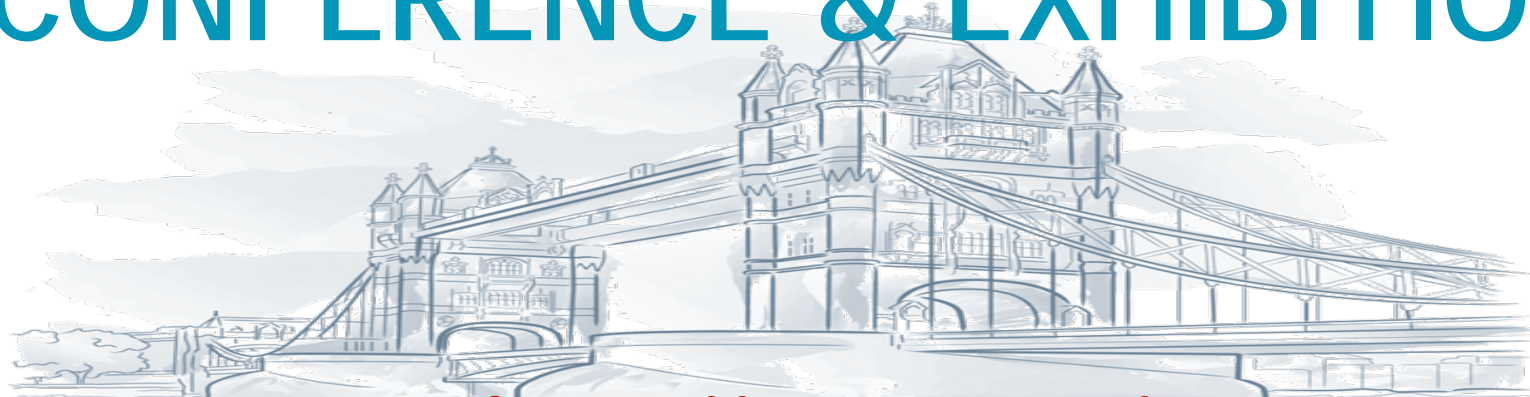




20<sup>th</sup> & 21<sup>st</sup> May 2014

Trinity Suite, Grange Tower Bridge Hotel, London, UK

# CONFERENCE & EXHIBITION



[www.firesprinklerinternational.com](http://www.firesprinklerinternational.com)

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**Fire Sprinkler International 2014 will be the only conference outside of the USA focused on automatic fire sprinklers in 2014.**

**This conference will provide a unique forum for those who wish to change the attitudes of legislators, regulators, building owners and property developers**

**Fire Sprinkler International 2014 will allow the proponents of sprinklers to understand national concerns and to share best practice and gain a better understanding of the latest technology and research that underpins the use of sprinklers.**

**With an array of international speakers, all experts in their chosen disciplines, delegates can be assured that they will leave Fire Sprinkler International 2014 informed, inspired and with a broader knowledge of the capacity, capabilities and consistent performance of sprinklers.**

**With three conference arenas and more than 45 individual presentations delegates can create their own conference schedule and maximise the professional returns from attending Fire Sprinkler International 2014**

## CONFERENCE SCHEDULE AT A GLANCE

### Tuesday 20<sup>th</sup> May

0930	Opening remarks Keynote Speakers
1115-1230	SESSION 1 Sustainability & Resilience
1400-1530	SESSION 2 Research Skills & Development Fire Engineering
1600-1730	SESSION 3 Sprinkler Design Concepts Water Mist Building Information Modelling
1900-2200	WELCOME RECEPTION Trinity Suite Grange Tower Bridge Hotel

### Wednesday 21<sup>st</sup> May

0900	Announcements
0930-1030	SESSION 4 Evolving Fire Challenges
1100-1230	SESSION 5 Standards Update Fire Experience & Analysis Pipe Hanging
1345-1515	SESSION 6 Standards Update 11 System Innovations Corrosion Inhibition & Measurements
1545-1700	SESSION 7 Life Safety & Sustainability
1700	End of Conference
1900	GALA DINNER Stationers' Hall City of London

## CONFERENCE RATES

The 2-day delegate rates includes access to all presentations/workshops and refreshments during the Conference day and the Welcome Reception on the evening of 20<sup>th</sup> May.

BAFSA & EFSN Members :

**£450 + 20% VAT**

NON MEMBERS :

**£550 + 20% VAT**

FIRE & RESCUE SERVICES :

**£250 + 20% VAT**

**BOOK BY  
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AND CLAIM AN**

**EARLY  
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DISCOUNT**

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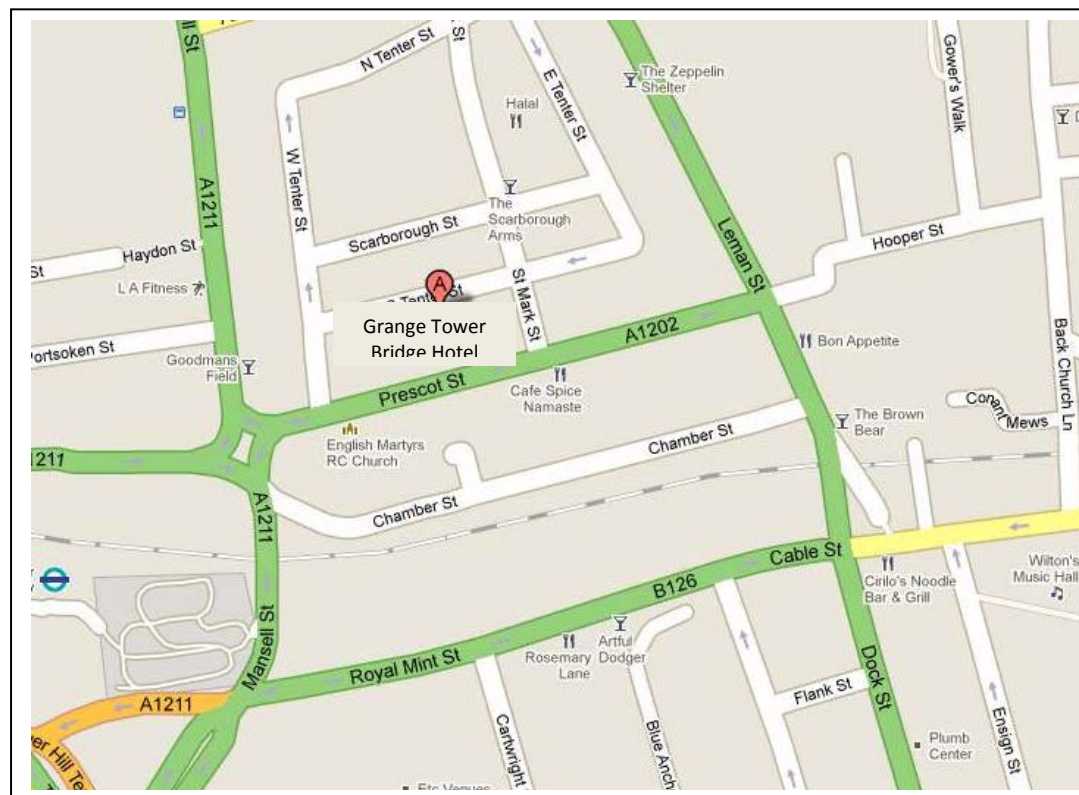
**NON  
Members  
£450  
+ 20% VAT**

## CONFERENCE VENUE

The Grange Tower Bridge Hotel will not only provide a spectacular setting for Fire Sprinkler International 2014, but also offers convenient and luxurious accommodation.

This hotel is fully sprinklered.

**GRANGE TOWER BRIDGE HOTEL  
45 PRESCOT STREET  
LONDON  
E1 8GP  
UK  
+44 (0)207 959 5000  
[www.grangehotels.com](http://www.grangehotels.com)**



## CONFERENCE PROGRAMME, 20<sup>th</sup> May : Day 1 - MORNING

### Business Sustainability, Sprinkler Innovations & Standards

#### MONDAY, 19<sup>TH</sup> MAY

**15:00-19:00 REGISTRATION DESK OPENS**

#### TUESDAY, 20<sup>TH</sup> MAY

**0800-09:30 REGISTRATION DESK OPENS**

**09:30-09:45 WELCOMING REMARKS**

#### **WELCOME AND INTRODUCTION TO THE PLENARY CHAIRMAN**

Stewart Kidd, Secretary General of the British Automatic Fire Sprinkler Association

#### **WELCOME FROM THE CHAIRMAN OF THE PLENARY SESSION**

Michel Walhof, Chairman of the European Fire Sprinkler Network

#### **WELCOME FROM THE DEPUTY MAYOR OF LONDON**

Sir Edward Lister, Deputy Mayor of London

**09:45-10:45 KEYNOTE SPEAKERS**

#### **THE INSURER'S VIEW :**

Chris Hanks, Chairman, The Purple Partnership, UK

#### **THE MACROECONOMIC IMPACT OF COMMERCIAL FIRES :**

Debbie Smith, Director, BRE Global, UK and Oliver Hogan, Director, Centre for Economics and Business Research, UK

**10:45-11:15 BREAK**

#### **11:15-12:30 SESSION 1 – PLENARY : SUSTAINABILITY AND RESILIENCE**

##### **EVOLUTION OF STORAGE SPRINKLER DESIGNS :**

Ronnie Gibson, FM Global, USA

##### **FIRE TESTING OF A NOVEL SPRINKLER PROTECTION CONCEPT FOR ROAD TUNNELS :**

Haukur Ingason, SP, Sweden

##### **MAKING THE CASE FOR SPRINKLERS TO LOCAL GOVERNMENT :**

Steve Turek, London Fire Brigade, UK

**12:30-12:45 PRESENTATION OF THE BERNADETTE HARTLEY AWARD**

**12:45-1400 LUNCH**



# CONFERENCE PROGRAMME, 20<sup>th</sup> May : Day 1 - AFTERNOON

**14:00-15:30 : SESSION 2**

**RESEARCH**

**SKILLS AND DEVELOPMENT FOR INSTALLERS**

**FIRE ENGINEERING**

**CHAIRMAN – Joachim Böke, EFSN**

**LARGE-SCALE FREE-BURN AND SPRINKLER TESTS WITH AUTOSTORE COMPACT STORAGE SYSTEM**

Magnus Arvidson, SP Technical Research Institute of Sweden

**SPRINKLER PROTECTION OF NON-STORAGE OCCUPANCIES WITH HIGH CEILING CLEARANCE**

Peter Thomas, Victaulic, USA

**IN-RACK SPRINKLERS?**

Tom Multer, Reliable Automatic Sprinkler, USA

**15:30-16:00 BREAK**

**CHAIRMAN – Mike Green, BAFSA**

**INSTALLER TRAINING AND APPRENTICESHIPS**

Jim Lake, National Fire Sprinkler Association, USA

**A LOOK AT PRACTICAL TRAINING NOW. AN INSIGHT INTO THE UP-SKILLING AWARD FOR INSTALLERS DEVELOPED AT NPTC GROUP**

Peter Snowball, NPTC Group  
**FIRE SPRINKLER INDUSTRY LABOUR MARKET INFORMATION & INTELLIGENCE - OPPORTUNITIES FOR THE FUTURE**  
Ruth Oliver, REO Consultancy, UK

**CHAIRMAN – Jean-Claude De Smedt, Grontmij, SFPE**

**SPRINKLERS, AN ESSENTIAL TOOL IN FIRE ENGINEERING DESIGN**

Jon Pagan, IFC Group, UK

**FFFS FOR ROAD TUNNEL FIRE SUPPRESSION**

Aaron McDaid, Parsons Brinckerhoff, UK

**PREDICTING FIRE SUPPRESSION BY WATER SPRAY WITH NUMERICAL CODES: MODEL DEVELOPMENT & VALIDATION**

Alexandre Jenft, CNPP, France

**16:00-17:30 : SESSION 3**

**SPRINKLER DESIGN CONCEPTS**

**WATER MIST**

**BUILDING INFORMATION MODELLING**

**CHAIRMAN – Keith MacGillivray, Sprinklers Scot.**

**SPRINKLER PROTECTION IN ATRIUM SPACES, IS DELUGE AN OPTION?**

Johan Hoogeweg, DGMR, Netherlands

**ALTERNATIVE SPRINKLER SYSTEM DESIGNS**

Kerry Bell, Underwriters Laboratories, USA

**SOLUTION FOR THE PROTECTION OF TRANSFORMERS**

Andreas Teckenburg, Minimax, Germany

**CHAIRMAN – Bettina McDowell, IWMA**

**PHYSICAL SCALING FOR PERFORMANCE EVALUATION OF WATER MIST SYSTEMS**

Bert Yu, FM Approvals, USA

**WATER MIST SYSTEMS – THE VDS VIEW AND THE NEW VDS DESIGN & INSTALLATION GUIDELINE**

Stefan Kratzmeier, VdS, Germany

**WATER MIST FIRE PROTECTION AT BODLEIAN LIBRARY OF EA RS COMPACT ARCHIVE STORAGE**

Tim Nichols, Tyco Fire Protection Products, UK

**CHAIRMAN – Steve Seaber, BAFSA**

**AN ARCHITECT'S VIEW OF BIM**

Peter Caplehorn, Scott Brownrigg, UK

**CAD AND BUILDING INFORMATION MODELLING**

Paul Basherian, M.E.P. Cad, USA

**USING BIM IN A REAL PROJECT**

John, McCann, API Vipond

**19:00-22:00 RECEPTION & NETWORKING EVENT – GRANGE TOWER BRIDGE HOTEL**

## CONFERENCE PROGRAMME, 21<sup>st</sup> May : Day 2 - MORNING

### Business Sustainability, Sprinkler Innovations & Standards

**09:00 ANNOUNCEMENTS**

**CHAIRMAN OF THE PLENARY SESSION**

Kirsi Rajaniemi, Interior Ministry, Finland

**09:00-10:30 SESSION 4 – PLENARY: EVOLVING FIRE CHALLENGES**

**EXPANDED PLASTICS: FIRE HAZARD AND NEW SPRINKLER PROTECTION CRITERIA :**

Steve Wolin, Code Consultants, USA

**FIRE HAZARDS IN TIMBER BUILDINGS AND THEIR NEED FOR SPRINKLERS :**

Casey Grant, National Fire Protection Research Foundation, USA

**PRE-FIRE PLANNING IN SPRINKLERED WAREHOUSES :**

Christina Francis, Procter & Gamble, USA

**10:30-11:00 Break**

**11:00-12:30 : SESSION 5**

**STANDARDS UPDATE**

**FIRE EXPERIENCE & ANALYSIS**

**PIPE HANGING**

**CHAIRMAN – Youcef Ouammou, EFSN**

**UPDATES TO NFPA 13**

Ken Isman,  
National Fire Sprinkler Association,  
USA

**REVISIONS TO EN 12845 AND CEA 4001**

Karim Karzazi, AXA Matrix Risk Consultants,  
France

**FUTURE HAZARD ANALYSIS IN EN 12845**

Stuart Lloyd, Zurich Risk Engineering, UK

**12:30-1345 LUNCH**

**CHAIRMAN – Reinhold Herbst, EFSN/bvfa**

**RISK PROFILING: REDUCING THE RISK TO BUSINESS**

Julian Fountain, Cambridgeshire Fire & Rescue  
Service, UK

**LEARNING FROM THE PLACE VENDÔME FIRE**

Olivier Gaudard, Interior Ministry, France

**RECORDING SPRINKLER EFFECTIVENESS AND USING THE DATA**

Steve Mills, BAFSA, UK

**CHAIRMAN – Ian Gough, BAFSA**

**ISSUES AROUND SYSTEM HANGING**

Milan Zuber  
Hilti,  
Germany

**EARTHQUAKE BRACING**

Gaetano Coppola,  
Hughes Associates, Italy

**FIRE SPRINKLER EARTHQUAKE PROTECTION – SWAY BRACING**

David Jelts, ERICO, USA

## CONFERENCE PROGRAMME, 21<sup>st</sup> May : Day 2 - AFTERNOON

**13:45-15:15 : SESSION 6**  
**STANDARDS UPDATE II**

**SYSTEM INNOVATIONS**

**CORROSION INHIBITION AND MEASUREMENT**

**CHAIRMAN – John van Lierop, EFSN/NOVB**

**NFPA 25 AS A MEANS TO IMPROVE SPRINKLER SYSTEM RELIABILITY**

Bill Koffel, Koffel & Associates,  
USA

**A EUROPEAN STANDARD FOR INSTALLER**

Martin Harvey, Tyco Fire & Integrated  
Solutions, UK

**A EUROPEAN RESIDENTIAL SPRINKLER SYSTEM DESIGN, INSTALLATION AND MAINTENANCE STANDARD**

Alan Brinson,  
European Fire Sprinkler Network

**15:15-15:45 Break**

**15:45-17:00 SESSION 7 - PLENARY : LIFE SAFETY AND SUSTAINABILITY**

**CHAIRMAN OF THE PLENARY SESSION**

Peter Armstrong, BAFSA Chairman

**THE SANTA MARIA FIRE AND ITS AFTERMATH :**

Marcelo Lima, FM Global, Brazil

**FIRE SPRINKLERS AND SUSTAINABILITY :**

Russ Fleming, Managing Director, International Fire Sprinkler Association, USA

**CLOSING REMARKS :**

Michel Walhof, EFSN Chairman

**CHAIRMAN – Ian Gough, BAFSA**

**NEW WAYS FOR MONITORING AND ALARM INDICATION FOR SPRINKLER SYSTEMS**

Jens Lill, Minimax,  
Germany

**QUALIFICATIONS INNOVATION IN FIRE DETECTION AND SUPPRESSION**

Jim Glockling, The FPA, UK

**WATER MIST PROTECTION OF SAUNAS**

Alexalle, VID Fire-Kill, Denmark &  
Gary Howe,  
Zurich Risk Engineering, UK

**CHAIRMAN – Stewart Kidd, BAFSA**

**CORROSION INHIBITION OF DRY AND PRE-ACTION FIRE SUPPRESSION SYSTEMS USING NITROGEN GAS**

Josh Tihen, Potter Electric, USA

**INNOVATIVE SPRINKLER SYSTEM BASED ON VACUUM TECHNOLOGY**

François Asselman, Vactec, Belgium

**NEW MEDIUM RANGE ULTRASONIC INSPECTION TECHNIQUE TO DETECT CORROSION AND BLOCKAGES**

Adam Wilkinson & Matthew Deere, Plant Integrity, UK

**19:00 OPTIONAL GALA DINNER – RECEPTION AND DINNER AT STATIONERS' HALL IN THE CITY OF LONDON**



## WHY SHOULD YOU ATTEND?

**Fire Sprinkler International's 2-day conference programme has been designed to ensure that all of our delegates can:**

- ◆ increase knowledge
- ◆ update technical information
- ◆ learn from industry experts
- ◆ expand understanding
- ◆ identify solutions
- ◆ discover new applications
- ◆ network and make connections

## HOW TO REGISTER

Booking your place could not be easier...registration can be made on-line at <http://firesprinklerinternational.com/conference/registration/>

Alternatively completed the Registration Form on the next page and email it to [wendy.otway@btinternet.com](mailto:wendy.otway@btinternet.com)

## GALA DINNER

Fire Sprinkler International will end with a flourish. A Gala evening in the beautiful 600 year old surroundings of Stationers' Hall close to St Paul's Cathedral in the City of London.

Join fellow delegates for a memorable evening of fine dining in some of London's most historic and impressive rooms. With gleaming oak flooring and carved oak panelling topped by historic stained glass windows.

Tickets are £100 (+20% VAT) each and include:  
Transport to Stationers Hall in a fleet of iconic London cabs  
Champagne & canapés  
4 course dinner with wine followed by coffee with chocolate truffles and a glass of port

**DINNER  
IS  
SOLD OUT**

## ACCOMMODATION

Special rates are available at the Grange Tower Bridge Hotel:  
£185 + 20% VAT  
per room per night  
inclusive of a buffet breakfast

Rooms must be booked directly with the hotel

BOOKING CODE  
CNB126640

Tel:  
+44 (0)207 959 5000  
Email:  
[towerbridge.reservations@grangehotels.com](mailto:towerbridge.reservations@grangehotels.com)

**ONLY A LIMITED NUMBER  
OF ROOMS ARE AVAILABLE  
SO BOOK EARLY  
TO AVOID DISAPPOINTMENT**





COMPLETE AND RETURN  
THIS FORM TO

FSI 2014, 29 Edith Rd, FAVERSHAM, KENT ME13 8SD, UK  
OR FAX +44 (0)1353 659187

OR EMAIL wendy.otway@btinternet.com

FULL NAME.....  
ORGANISATION  
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ADDRESS .....  
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..... POSTCODE .....  
COUNTRY .....  
TELEPHONE.....  
EMAIL.....

Number of delegate places required

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Full names of all delegates

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**Please note that the Early Bird registration must be returned no later than 1<sup>st</sup> April 2014**

**REGISTRATION FEES (including VAT)**

	EARLY BIRD	FULL	EARLY BIRD	FULL	FULL	FULL
Members :	£420	£540	Non-members :	£540	£660	Fire & Rescue personnel : £300
						Dinner tickets : £120
						Local & Central Government Representatives

I WISH TO RESERVE .....Delegates @£.....each TOTAL DUE £.....

AMEX     MASTERCARD     VISA    Card number ..... Expiry date .....

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IF YOU ARE CHOOSING TO PAY BY BANK TRANSFER YOU REQUIRE THE FOLLOWING INFORMATION:

BANK: NATWEST                      ADDRESS: Woolpack Chambers, 16 Market Street, Ely, Cambs CB7 4ND, UK  
ACCOUNT NAME:                      British Automatic Fire Sprinkler Association  
ACCOUNT No: 43123082              SORT CODE: 52-41-19                      IBAN: GB78 NWBK 5241 1943 1230 82

Throughout the conference delegates will have the opportunity to visit the stands of the FSI 2014 Exhibitors who will be presenting a comprehensive range of sprinkler products & services, equipment, knowledge and expertise. Platinum Sponsor, Rapidrop Global along with Gold Sponsors, Potter Electric and Victaulic, will also be exhibiting.

## FOYER 1

### IFC Certification

[www.ifccertification.com](http://www.ifccertification.com)

### AD Sprinklers

[www.adsprinklers.co.uk](http://www.adsprinklers.co.uk)

### ERICO International

[www.erico.com](http://www.erico.com)

### General Air Products

[www.generalairstands.com](http://www.generalairstands.com)

### ANPI

[www.anpi.eu](http://www.anpi.eu)

### IPS Flow Systems

[www.ips-blazemaster.com](http://www.ips-blazemaster.com)

### Grundfos Pumps

[www.grundfos.co.uk](http://www.grundfos.co.uk)

### Henderson Insurance

[www.hibl.co.uk](http://www.hibl.co.uk)

## FS1 SPONSOR

### API Vipond

[www.vipondfire.co.uk](http://www.vipondfire.co.uk)

## FS2 SPONSOR

### Thermocable Flexible Elements

[www.thermocable.com](http://www.thermocable.com)

## FOYER 2

### Xact Training

[www.xact.org.uk](http://www.xact.org.uk)

### Applications Engineering

[www.appeng.co.uk](http://www.appeng.co.uk)

### Fivalco

[www.fivalcovalves.com](http://www.fivalcovalves.com)

### Viking

[www.viking-emea.com](http://www.viking-emea.com)

### P&ExS

[www.firesprinklerevents.com](http://www.firesprinklerevents.com)

### Balmoral Tanks

[www.balmoralfiretanks.com](http://www.balmoralfiretanks.com)

### Beck Engineering

[www.beckengineering.no](http://www.beckengineering.no)

### Potter Electric

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### JOB GmbH

[www.job-bulbs.com](http://www.job-bulbs.com)

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[www.vsh-fittings.com](http://www.vsh-fittings.com)

### VdS Schadenverhütung GmbH

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## FOYER 3

### Victaulic

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[www.victaulic.com](http://www.victaulic.com)

### Fireflex

[www.fireflex.com](http://www.fireflex.com)

### Dropmaster

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### Metraflex

[www.metrafire.com](http://www.metrafire.com)

### Virotec

[www.szmh-group.com](http://www.szmh-group.com)

### The FPA

[www.thefpa.co.uk](http://www.thefpa.co.uk)

### Tyco FPP

[www.tfppemea.com](http://www.tfppemea.com)

### Vactec

[www.vactecsysteme.com](http://www.vactecsysteme.com)

### Mepcad (BandC FIRE)

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### Globe Fire Sprinkler Corporation

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[www.globesprinkler.com](http://www.globesprinkler.com)

### LPCB

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### Reliable Sprinklers

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