To protect & grow our market

UK Timber Frame Association

- **Fire Safety on Timber Frame Construction Sites**
- Steven Streets MRICS
- Technical Manager UK Timber Frame Association

UK Timber Frame Association

Fire Safety

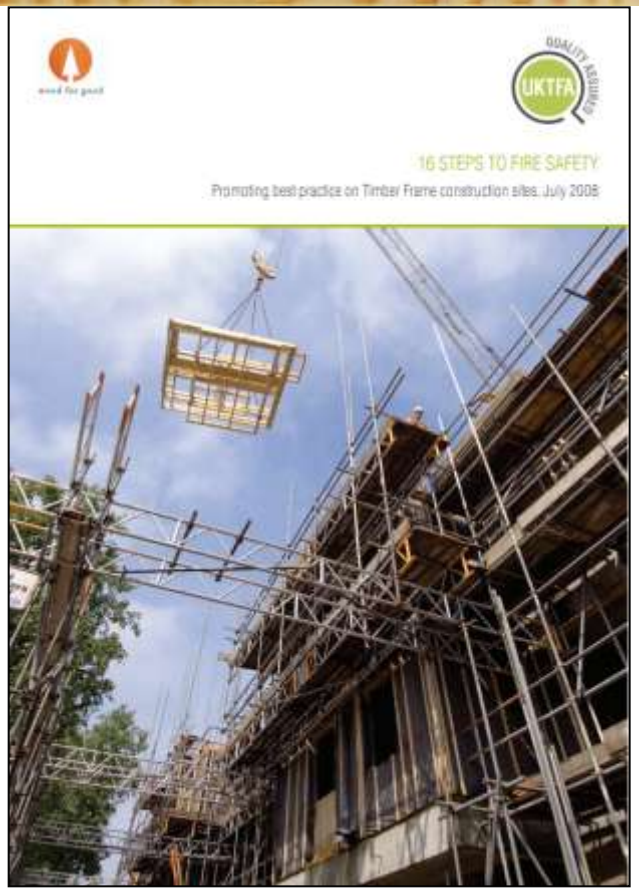
- The UKTFA has undoubtedly been the most prolific organisation in terms of producing relevant, considered guidance on this issue.

What we have done so far

- The UKTFA have produced the **“16 Steps to Fire Safety on Timber Frame Construction Sites”** which outlines the areas required to be investigated in order to ensure all reasonable risk assessment has been carried out, and where appropriate, actions implemented in conjunction with the main contractor.

UK Timber Frame Association

16 Steps to Fire Safety



UK Timber Frame Association

The 16 steps

- Comply with current CDM regs
- Appoint a fire safety co-ordinator
- Produce a fire safety plan
- Check, inspect and test throughout construction

UK Timber Frame Association

The 16 steps

- Communicate and liaise
- Promote a fire-safe working environment
- Make sure your fire detection and warning systems work
- Protect emergency escape routes- the 35m rule

The 16 steps

- Build in fire protection from the beginning
- Secure the site against arson
- Protect temporary buildings and accomodation
- Store equipment safely

The 16 steps

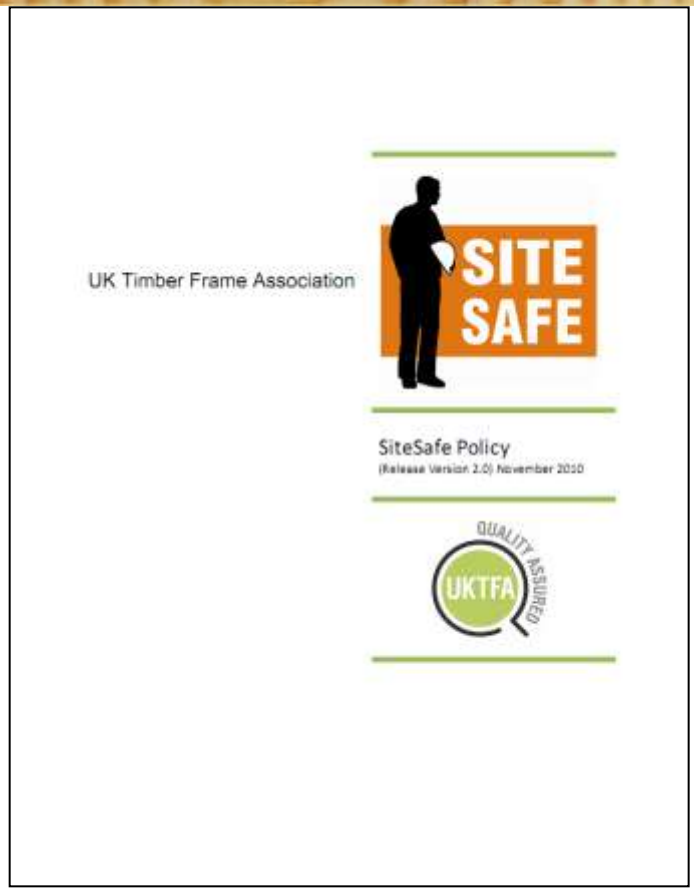
- Design out hot works
- Keep the site tidy
- Keep plant and equipment safe
- No smoking

Sitesafe

- **SiteSafe** version 2 has been developed by the UKTFA to ensure manufacturing member's work closely with principal contractors
- Gives clear concise information and assistance regarding fire safety on construction sites.
- Includes the mandatory notification of the appropriate Fire and Rescue Service.
- Includes random audit by TRADA, our independent auditors.

UK Timber Frame Association

Sitesafe v2

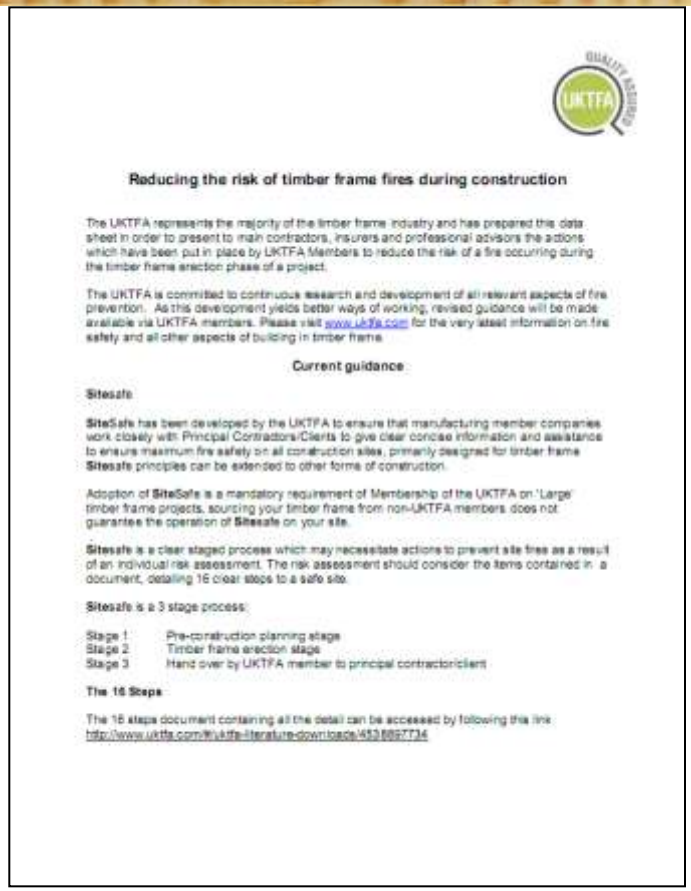

UK Timber Frame Association
SITE SAFE
SiteSafe Policy
(Release Version 2.0) November 2010
QUALITY ASSURED
UKTFA

Data sheets

- UKTFA have produced a data sheet entitled **“Reducing the risks of timber frame fires during construction”**
- This is a summary document which in addition to guidance on the 16 Steps and Sitesafe, includes information on:-
- Stopping access to the construction site during out of hours
- Removing opportunity for fires
- Measures to reduce flame propagation through a site

UK Timber Frame Association

Datasheet 1



Reducing the risk of timber frame fires during construction

The UKTFA represents the majority of the timber frame industry and has prepared this data sheet in order to present to main contractors, insurers and professional advisors the actions which have been put in place by UKTFA Members to reduce the risk of a fire occurring during the timber frame erection phase of a project.

The UKTFA is committed to continuous research and development of all relevant aspects of fire prevention. As this development yields better ways of working, revised guidance will be made available via UKTFA members. Please visit www.ukfa.com for the very latest information on fire safety and all other aspects of building in timber frame.

Current guidance

Sitesafe

SiteSafe has been developed by the UKTFA to ensure that manufacturing member companies work closely with Principal Contractors/Clients to give clear concise information and assistance to ensure maximum fire safety on all construction sites, primarily designed for timber frame **Sitesafe** principles can be extended to other forms of construction.

Adoption of **SiteSafe** is a mandatory requirement of Membership of the UKTFA on 'Large' timber frame projects, sourcing your timber frame from non-UKTFA members does not guarantee the operation of **Sitesafe** on your site.

Sitesafe is a clear staged process which may necessitate actions to prevent site fires as a result of an individual risk assessment. The risk assessment should consider the items contained in a document, detailing 16 clear steps to a safe site.

Sitesafe is a 3 stage process:

Stage 1 Pre-construction planning stage
Stage 2 Timber frame erection stage
Stage 3 Hand over by UKTFA member to principal contractor/client

The 16 Steps

The 16 steps document containing all the detail can be accessed by following this link
http://www.uktfa.com/#/uktfa-literature-downloads/4538697734

UK Timber Frame Association

Data sheets

- UKTFA has produced a stand alone document on **Site Perimeter Fencing,** giving greater detail on the subject, including:-
- Fencing types
- Hoarding types
- Controlling points of entry
- Site Surveillance

Datasheet 2

Reducing the risk of timber frame fires during construction

Site Perimeter Fencing

The UKTFA represents the majority of the timber frame industry and has prepared this data sheet in order to present to main contractors, insurers and professional advisors the recommendations of the UKTFA with regards to appropriate site security fencing.

The UKTFA is committed to continuous research and development of all relevant aspects of fire prevention. As this development yields improved ways of working, revised guidance will be made available via UKTFA members. Please visit www.ukfa.com for the very latest information on fire safety and all other aspects of building in timber frame.

Current guidance

*The UKTFA has current guidance on site fire prevention, **Site**Safe and the 16 steps to fire safety on timber frame construction sites. For further information on these, please see the end of this document*

Step 10 of the 16 steps is *site security against arson*. In addition to the guidance contained within step 10 we offer the following guidance.

One of the main considerations in improving site security against arson is the use of the correct, appropriate site perimeter fencing or hoarding.

Within the risk assessment flowchart within the 16 steps document, reference is made to the use of non-climbable fencing. In this document we intend to give further guidance on the nature of what is appropriate for use e.g. what we consider non-climbable amongst other things.

Stopping access to the construction site during out of hours
Key points-perimeter security-method of site entry-surveillance

The site security can be subdivided into three topics:

1. Perimeter fencing
2. Control points of entry onto site
3. Site surveillance.

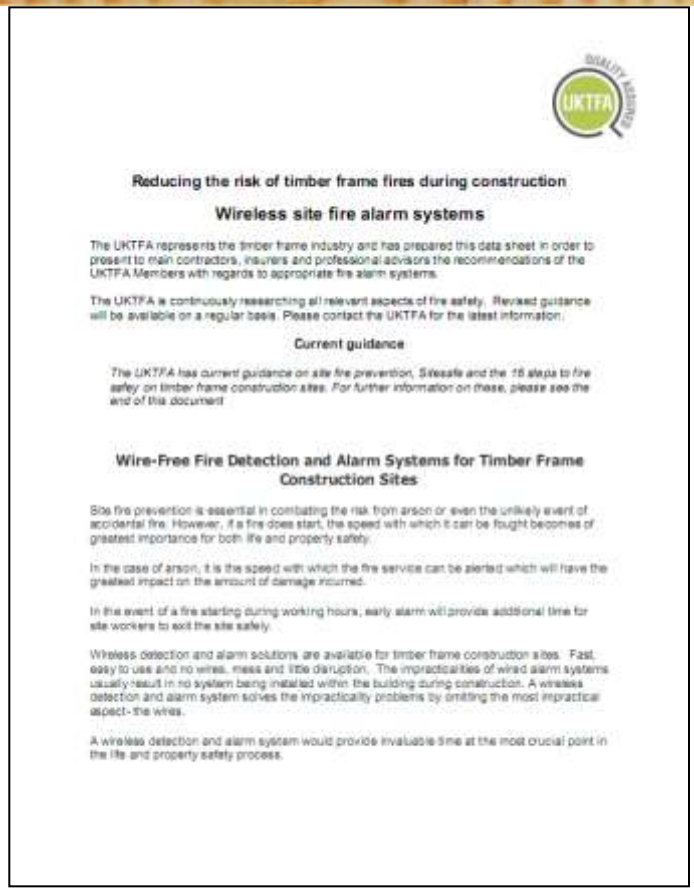
There should be various degrees of control for each of these, dependent on the size of the development and the level of risk assessed to be mitigated.

UK Timber Frame Association

Data sheets

- Another stand alone document entitled **Wireless Site Fire Alarm Systems** has been produced covering the pertinent items such as
- Radio operated Heat and smoke detectors
- Radio operated Sounders
- Types of control panels and zoning to facilitate the use in a constantly changing physical environment.

Datasheet 3



Reducing the risk of timber frame fires during construction

Wireless site fire alarm systems

The UKTFA represents the timber frame industry and has prepared this data sheet in order to present to main contractors, insurers and professional advisors the recommendations of the UKTFA Members with regards to appropriate fire alarm systems.

The UKTFA is continuously researching all relevant aspects of fire safety. Revised guidance will be available on a regular basis. Please contact the UKTFA for the latest information.

Current guidance

The UKTFA has current guidance on site fire prevention, Sitesafe and the 18 steps to fire safety on timber frame construction sites. For further information on these, please see the end of this document

Wire-Free Fire Detection and Alarm Systems for Timber Frame Construction Sites

Site fire prevention is essential in combating the risk from arson or even the unlikely event of accidental fire. However, if a fire does start, the speed with which it can be fought becomes of greatest importance for both life and property safety.

In the case of arson, it is the speed with which the fire service can be alerted which will have the greatest impact on the amount of damage incurred.

In the event of a fire starting during working hours, early alarm will provide additional time for site workers to exit the site safely.

Wireless detection and alarm solutions are available for timber frame construction sites. Fast, easy to use and no wires, mess and little disruption. The impracticalities of wired alarm systems usually result in no system being installed within the building during construction. A wireless detection and alarm system solves the impracticality problems by omitting the most impractical aspect- the wires.

A wireless detection and alarm system would provide invaluable time at the most crucial point in the life and property safety process.

UK Timber Frame Association

Data sheets

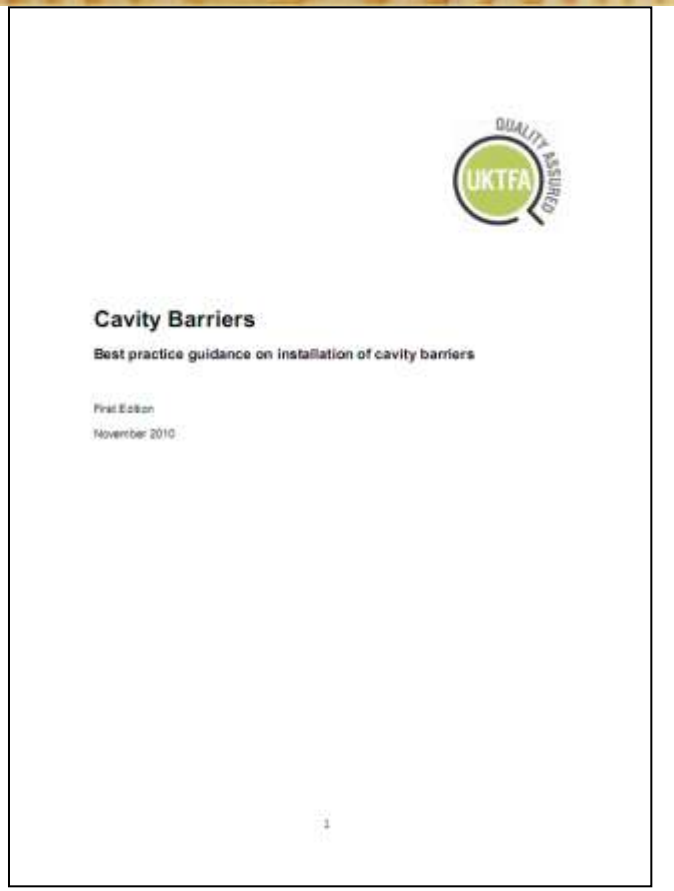
- Finally, with regard to fire risk reduction within completed buildings we have published the document **Best Practice Guidance on Installation of Cavity Barriers**
- This includes detailing on the correct way to install cavity barriers to eliminate crucial errors such as gaps between barriers, gaps between barriers and claddings, incorrect location of barriers at floors and separating walls…..

Data sheets

- Continued..
- incorrect junctions between barriers. The document also describes the requirement to have good quality follow on trades to ensure the initial work carried out by the cavity barrier installer is not compromised.

To protect & grow our market

Cavity Barriers



Cavity Barriers

Best practice guidance on installation of cavity barriers

First Edition

November 2010

1

UK Timber Frame Association

Free documents

- All of the documents mentioned are available on the UKTFA website www.uktfa.com

Work in progress

- UKTFA is currently working on the production of a guidance document to allow the calculation of appropriate **distances from timber frame buildings under construction** to other, existing buildings.
- Current guidance which is being used to was written by the BRE. But the issues are different.

UK Timber Frame Association

Work in progress

- UKTFA is also in the process of producing a **risk assessment matrix**.
- Both of these documents will be available later in 2011

Who we are working with

- The UKTFA is working closely with a number of bodies in order to ensure that the work of the UKTFA is widely spread.

UK Timber Frame Association

Who we are working with

- *Insurers/ABI*
- *The NHBC and other warranty providers*
- *The Fire Brigades Union*
- *Fire Protection Association*
- *The HSE*
- *The Institution of Fire Engineers*
- *The Institution of Structural Engineers*
- *The Royal Institution of Chartered Surveyors*

UK Timber Frame Association

Who we are working with

- *National Housing Federation*
- *Chartered Institute of Housing*
- *Chief Fire Officers Association*
- *Federation of Master Builders*
- *The Royal Institute of British Architects*
- *UK Contractors Group*
- *Home Builders Federation*

Who we are working with

- *The CLG/BSD*
- *The London Assembly*

UK Timber Frame Association

Any Questions?

UK Timber Frame Association