

# Wilkins Safety Group

## Weekly Update Newsletter

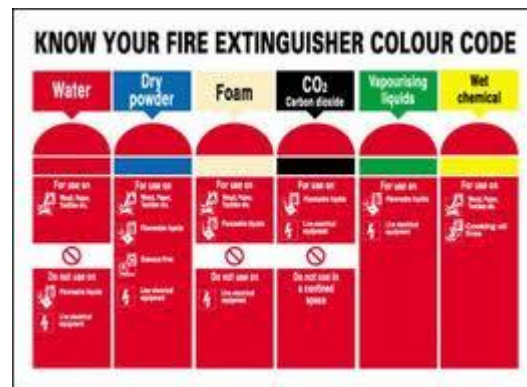


Welcome to this issue - Friday 6th May 2011 - of our Update Newsletter

Please feel free to forward this newsletter to colleagues and friends.

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### Choosing the right fire extinguisher.



#### Choosing the right fire extinguisher

All workplaces are legally required to have fire extinguishers installed and maintained. Here's our short guide to choosing and using fire extinguishers.



#### The theory of fire

Fire is a chemical reaction between heat, oxygen and fuel. Together they make up the fire triangle and these three elements are necessary for any fire to start and survive. If any one is removed, the fire will be extinguished.

Oxygen is all around us in the air we breathe and the more oxygen a fire gets, the more fiercely it will burn. Fuels are anything that burns, like waste paper, solvents and flammable gases. Sources of heat can be from smoking, electrical heaters, and electrical equipment.

### The classes of fire

It may surprise you to know that depending on what's burning, fires are grouped into different categories, or classes. Here are the five main classes:

1. **Class A** is for flammable solids, like wood, paper and fabrics.
2. **Class B** is for liquids, like solvents, petrol and kerosene.
3. **Class C** is for flammable gases, like butane and propane.
4. **Class E** is for electrical fires. Though it's not really a 'proper' class of fire (it's actually a heat source, not a fuel), it is useful to remind us of the dangers.
5. **Class F** is a special class just for cooking-oil in deep fat fryers

### How to choose the right extinguisher for the job

There are four main different types of fire extinguishers in common use (we are excluding fire blankets and Wet Chemical extinguishers).

Think carefully before tackling even the smallest of fires. **Remember - safety first!** Only use a fire extinguisher if you have been trained how to use it correctly

**Water** removes the heat from the fire triangle and is ideal for class A flammable solids, like wood, paper and fabrics. Beware, it conducts electricity and is dangerous to use on flammable liquids like petrol or solvents.

**AFFF** is a great multipurpose extinguisher ideal for class A flammable solids and especially effective on class B flammable liquid fires. It works by forming a special film layer over the top of burning liquid, removing the oxygen from the fire triangle and smothers the flames.

**Dry powder** works by removing the oxygen from the fire triangle and is safe to use on all common types of fires, including electrical. They can leave a lot of mess though, so are not ideal for use in confined areas.

**Carbon Dioxide**, or CO<sub>2</sub> gas, is great because it's totally clean and leaves no mess at all. It works by removing the oxygen from the fire and is suitable for class B, flammable liquid and electrical fires.

There is also **Wet Chemical** which is a special extinguisher designed specifically for fires involving deep fat fryers.

### Why are all fire extinguishers now red?

In 1985, an EU Directive required all fire extinguishers to be red in colour with only a small flash of the old British Standard allowed.

- **Foam** will have a small **cream** flash of colour;
- **Dry Powder, blue**;
- **Carbon Dioxide, black**;
- **Wet Chemical, yellow**. This means we now conform with the rest of the EU and the US.



### **Do we have to replace fire extinguishers because they are not in the new colours?**

No. A fire extinguisher does not need to be replaced just because the colour is 'out of date'. When the extinguisher is no longer serviceable, e.g. due to corrosion, it will be replaced by a new red model.

### **Need more help?**

Please feel free to contact us anytime for more advice. We are always happy to help.

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## **TRAINING COURSES**

The Regulatory Reform (Fire Safety) Order 2005 has made fire safety training a legal requirement for staff members including the need to train the appropriate number of Fire Wardens.



### **Fire Warden Training:**

This course is designed for staff taking on the role of the fire warden.

#### **This course contains the following**

- Fire alarm activation procedure and what to do if they discover a fire
- Theory session which shows candidates how to recognize the 6 main types of fire extinguisher
- DVD presentation on how fire spreads and what can go wrong
- Practical session in the use of fire extinguishers using a gas powered simulator

- DVD The role of the fire warden
- Evacuation Procedures
- Taking a role call
- Good housekeeping and best practice
- A practical session looking at scenarios' taken from real situations
- Fire risk assessment skills and carrying out weekly checks
- DVD Fire risk assessment in the work place
- An assessment which covers everything in the course to show a full understanding.

This ½ day Course will be held at **THE CLEVE HOTEL & COUNTRY CLUB, Mantle Street, WELLINGTON, Somerset** on ***Date to be confirmed***. The morning will include tea/coffee on arrival and mid-morning. Plus a 2 course lunch, Comprehensive notes will be provided to all delegates.

**The all-inclusive rate of £60.00 + vat per delegate will be payable at the time of booking.**

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If you would like to discuss any of the issues highlighted in this newsletter, then drop an email to Jon on [jon@jonwilkins.co.uk](mailto:jon@jonwilkins.co.uk) or call the office [01458 253682](tel:01458253682)



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Your Business is Safer in Our Hands