

FSS50-PR04 (50 second discharge time)

FSS100-PR04 (100 second discharge time)



FSS100: 33cm x 3cm 365g



FSS50: 27cm x 3cm 215g



## Key Features:

- Manual, portable fire extinguishing device
- Uses innovative technology to fight fires at the molecular level (developed for the space programme)
- Composed of stable, solid minerals
- Non-pressurized, does not contain gas
- **2 Discharge Options:** 100 second discharge, ideal for the larger vehicle, 50 second discharge, ideal for the home or car
- 15 Years tested shelf life, no annual servicing requirement, only basic in-house visual maintenance checks are required.
- **Safe for humans and animals:** with no environmental impact at all, produces zero damaging mess after use, so fine for machinery & electronics.
- **Highly Durable:** can be dropped, pierced, and cut, and it still works! But cannot be activated by accident.
- Leave to Repress the Fire, long discharge time aids escape, or it can be left behind to repress the fire.

## The FSS is certified for the following fire classes:

- A Solid Combustibles**  
Plastic, Paper, Textiles
- B Flammable Liquids**  
Oil, Petrol, Diesel, Alcohols
- C Flammable Gases**  
Methane, Propane, Butane
- Electrical Fires (100,000 volts)**  
TVs, Computers, Kitchen Appl.
- F Cooking Oils & Fats**  
Eg. In the kitchen

It is not suitable for coal or wooden log fires, or lithium battery fires.

### Kit Contents (Pre Assembled):

Minimum order 10 kits

1. Vinyl Sticker Sign
2. Anti-Tamper tag
3. Install Sticker for Handle
4. Inspection Sticker for Anti-Tamper Tag
5. PDF Template for Logbook

Kit Code: FSS50-PR04  
(50 second discharge time)

Kit Code: FSS100-PR04  
(100 second discharge time)



Fire Safety Stick Inspection Record

Location: oSide, top of stairs FSS Model: FSS50  
FSS ID Number: ...

This kit includes 100 hours of continuous operation under test conditions. Additional operation may be required. Please refer to the manufacturer's instructions for full product and safety details.

Date	Visual	Operational	Pressure	Weight	Notes	Signed
20/10/2024	✓	✓	✓	✓		CH
Year 1						
Year 2						
Year 3						
Year 4						
Year 5						
Year 6						
Year 7						
Year 8						
Year 9						
Year 10						

Follow this link to see how to inspect the FSS

Follow this link to see how to use the FSS



## Cusack Locations

### Scotland

Unit 602  
Clyde Gateway East  
London Road  
Glasgow  
G32 8RH  
Tel: 0141 778 6500

### Bolton

38 Great Bank Road  
Wingates Industrial Estate  
Westhoughton  
Bolton  
BL5 3XU  
Tel: 01942 810888

### Wolverhampton

Anchor Lane  
Bilston  
West Midlands  
WV14 9NE  
Tel: 01902 371715

### London

1 Dundee Way  
Brimmsdown  
Enfield  
EN3 7SX  
Tel: 020 8344 4100

### Somerset

Unit 4  
Siger Drive  
Isleport Business Park  
Highbridge  
Somerset  
TA9 4BA  
Tel: 01278 448 980

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sales@cusack.co.uk



**Easy to use...**

**Step 1.**

Hold by the handle. Remove and discard top protection cap.

**Step 2.**

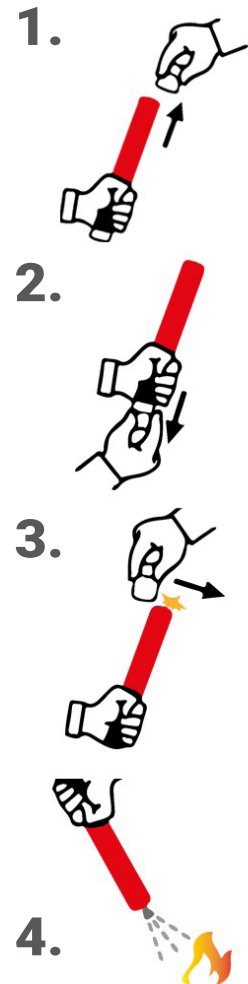
Remove the striker cap from the bottom end of the handle.

**Step 3.**

With the abrasive patch on the striker cap, strike across the black tip to ignite.

**Step 4.**

Discharge starts. Point the jet towards the base of the flame. Hold stick by the handle.

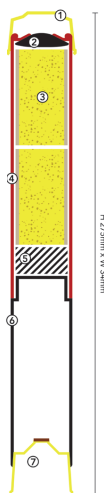


**Manufacturing: Composition of Fire Safety Stick vs Traditional Extinguishers**

The Fire Safety Stick works in a very different way from traditional pressurised extinguishers and its composition is much simpler, as shown in the cross-sectional diagrams below. This is reflected in the comparative manufacturing processes.

**What makes the Fire Safety Stick?**

- ① Top Protection Cap
- ② Black Tip
- ③ Resin & Cardboard
- ④ Aluminium Tube
- ⑤ Padding
- ⑥ Handle
- ⑦ Striker



Not drawn to comparative scales

Traditional pressurised extinguishers must incorporate secure containers capable of holding their contents under pressure. They have many more components than the Fire Safety Stick and therefore use more materials and more complex processes in their manufacture and testing.

• **Components include** – safety pin; carrying handle; hose outlet; pressure gauge; dip tube assembly; threaded neck ring; hose assembly; valve body; spray nozzle; nozzle holder; plastic skirt.

• **Materials include** – aluminium; steel; stainless steel; plastic; rubber; brass.

• **Processes include** – cold impact extrusion; deep drawing; welding; forging; machining; burst testing; discharge testing.

**What makes a Pressurised Extinguisher?**

- ① Operating or Squeeze Lever
- ② Safety Pin
- ③ Carrying Handle
- ④ Pressure Gauge
- ⑤ Hose Outlet
- ⑥ Threaded Neck Ring
- ⑦ Valve Body
- ⑧ Dip Tube Assembly
- ⑨ Hose Assembly
- ⑩ Spray Nozzle
- ⑪ Nozzle Holder
- ⑫ Plastic Skirt
- ⑬ Canister (containing pressurised extinguishent)

