



LONDON | MANCHESTER | EDINBURGH | CARDIFF | BELFAST | LINCOLNSHIRE

Independently  
tested to:  
BS:8458 - 2015



## Domestic & Residential Water Mist Fire Protection



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MADE IN BRITAIN



HAS

fiba product selector



iMist water mist fire protection systems are a cost-effective, economical and less damaging alternative to fire sprinklers. The iMist water mist technology can be fitted in almost any residential and domestic environment.

## Why iMist?

 iMIST	Sprinkler (Single Sprinkler)	iMist (Single Nozzle)
Minimum Water Usage (Litres Per Minute)	51 lpm	6 lpm
Coverage (M ) by 1 Nozzle	25m <sup>2</sup>	16m <sup>2</sup>
Minimum Water Damage	2.04mm /min	0.375mm /min
Minimum Water Depth (30 mins)	61.2mm	11.25mm
Volume of Water Discharged After 30 Mins	1530 litres (1.53m <sup>3</sup> )	180 litres (0.18m <sup>3</sup> )

The iMist system uses less water, causes less damage on activation and is an overall more economical fire suppression system than typical fire sprinkler systems.

Our nozzles are discreet and available in a colour to fit in with your home decor.

Using high pressure stainless steel flexible hoses and hydraulic fittings, we can ensure the installation process is quick and problem free even in the most challenging historical properties.

We also offer fixed stainless-steel pipework for surface mounted systems with nozzles made to order.



Low  
Cost



Rapid  
Response



Economical



Minimal  
Damage



Discreet  
Design

## iMist Water Mist Fire Suppression System Features

Automatic frangible bulb  
(57°C)



Volt free terminals  
allowing connection to  
addressable fire alarm  
systems



Compact pump unit

Audible alarm to alert for  
power loss, system failure  
or activation.



230v power supply  
required



SMS alerts available for  
yearly servicing reminders,  
activation or power loss



	Domestic	Residential
Height	400mm	500mm
Depth	300mm	300mm
Length	500mm	700mm
Weight	35kg	80kg

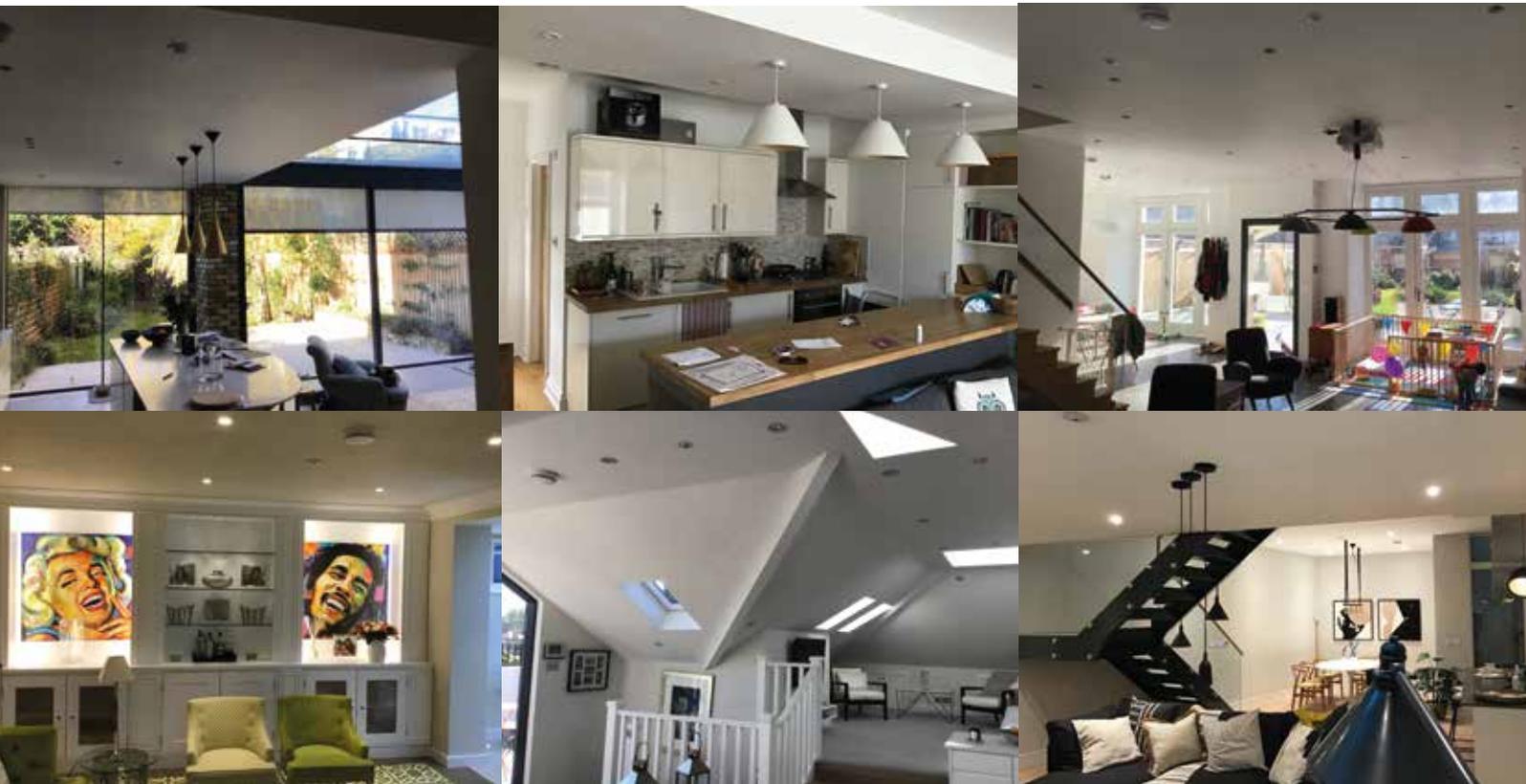
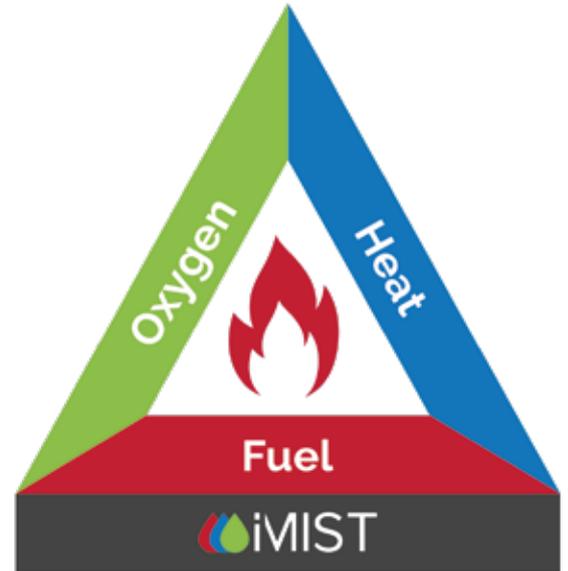
Upon the activation of an iMist Nozzle, the watermist system will begin to discharge high pressure watermist. The mist will fill the 16m<sup>2</sup> area (per nozzle) with a fine mist, which will travel around the room and dampen all surfaces it can get to, and thus restrict fire spreading (Part 1 – Attacking the Fuel)



When the water is discharged at high pressure, the room temperature is reduced dramatically. This is due to a reaction between the fast moving, colder air molecules and water molecules against the heat molecules from the fire, much like cold air displacing hot air. (Part 2 – Attacking the Heat)



As the watermist has direct contact with the flame, it turns to steam. The steam particles then displace the oxygen particles around the fire and thus suffocate it (Part 3 – Attacking the Oxygen)



Requires a minimal amount of water



Produces a fine water mist



Discharges at high pressure



Attacks all 3 aspects of the Fire Triangle simultaneously.

iMist have worked extremely hard to obtain multiple accreditations across the UK, Europe, Canada & America. Our systems are tried and tested across North America & Europe, and recognised with our multitude of accreditations.



We believe that your property is important, whether it is domestic or residential. Protecting yourself and your belongings is the motive of starting iMist. The effects of a fire can be devastating, and we have rigorously tested and designed our system to ensure it works effectively, whilst still being discreet and stylish in your property.

## Typical Domestic Risks

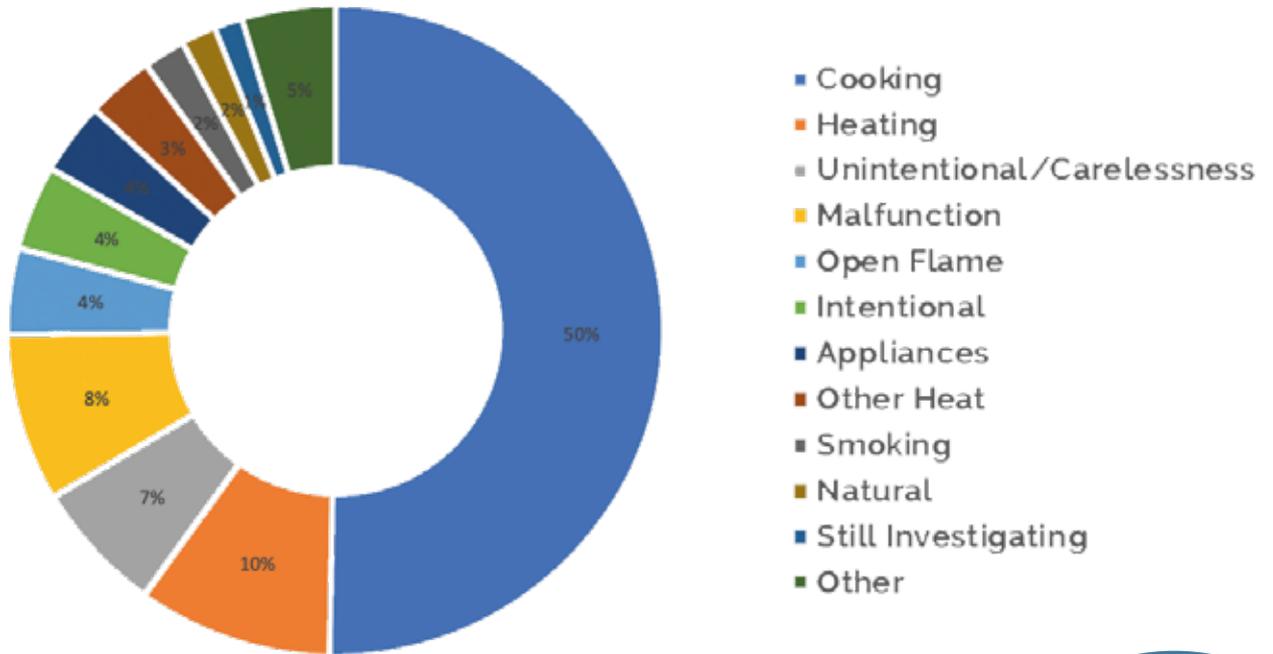
-  Family House
-  Individual Flats/Apartments
-  Loft Conversions/Extensions
-  Basement Conversions
-  Studio Flats
-  Small Bed & Breakfast
-  Small HMO's

## Typical Residential Risks

-  Blocks of Flats Greater than 18m in height
-  Apartment Blocks
-  Care Homes
-  Student Accommodation
-  Housing Associations
-  Sheltered and Extra Care Housing
-  Hostels

We provide free, bespoke quotes for 'out of the ordinary' projects, from barn conversions, dark ceilings, high beams & more.

## Main Causes of Fire in the Home



Average of 200 fire related deaths a year

Most fires happen between 10pm and 6am, when people are asleep



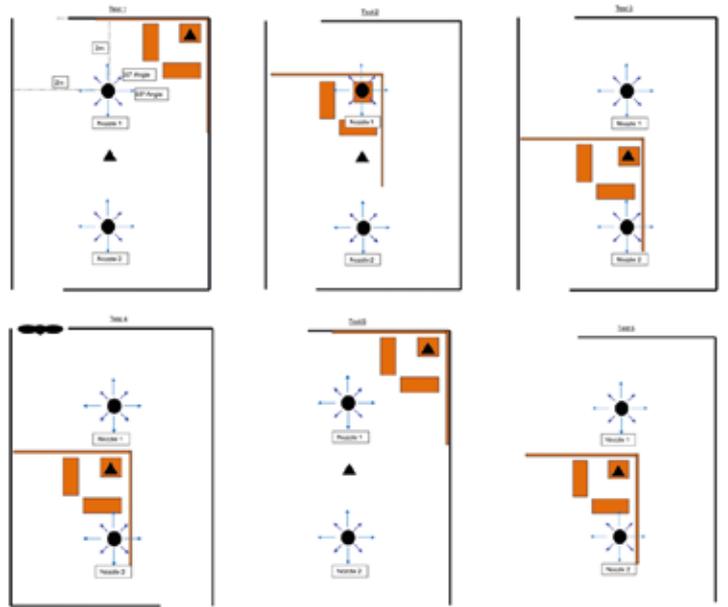
38% of smoke alarms do not sound during a fire

37,000 house fires a year

# Successfully Tested to BS: 8458

To comply with BS:8458, the iMist system had to undergo 6 tests to enable it to be used on domestic and residential risks.

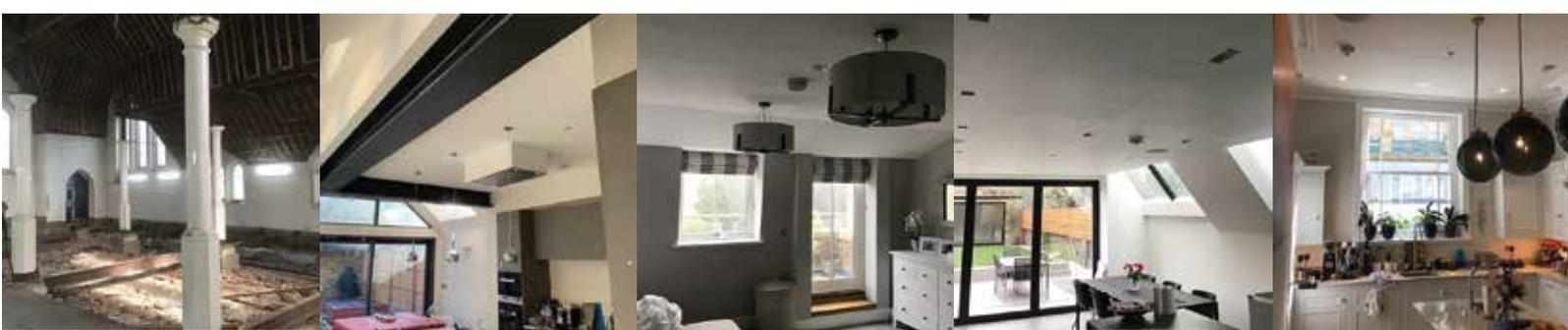
The iMist water mist system passed every test set by Element Materials Technology- (was Warrington Exova, a third party accreditation company,) which makes it one of the very few water mist systems to be fully compliant.



Must be ceiling mounted 

Must be wet-pipe system 

Must be mechanically activated 



## iMist Servicing

iMist systems can only be serviced by our trained engineers, and require servicing yearly, to ensure the system is working as it should. We will send reminders to keep you up-to-date as to when your system is due a service.

We offer payment plans to pay for your yearly service, including monthly installments, and servicing your iMist system extends your warranty.

Lifetime warranty when serviced annually by iMist

Visit our YouTube channel to see how our system is installed!

## INITIAL CONTACT

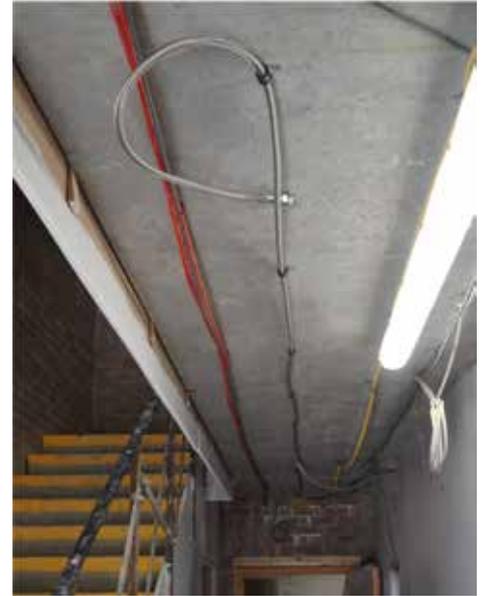


Your enquiry is the first step to effective fire protection. Once we have received your enquiry our design team will send over a fully bespoke quote. You will need to get Building Control Approval or authority having jurisdiction from the final proposal.

## SITE VISIT



Once you've received your quote, we will arrange a site visit. One of our qualified iMist engineers will walk you through the proposed layout and survey the site for hose routes, pump locations and site contacts. Installation can be booked in once approved.



## INSTALLATION



Installation consists of 2 visits from our engineers; 1st fix & 2nd fix. The 1st fix we will arrive with high-pressure hoses and the final layout. The 2nd fix will see your iMist nozzles & pump being fitted. Your iMist system is ready to use.

## AFTER CARE



It is important that you have your iMist system serviced yearly. We offer an SMS alert to remind you about your yearly service, alongside alerts on activation and power failure, to ensure you feel confident in your iMist system.

## What do iMist require?

(domestic/residential)

### Water Supply



A minimum of 1 bar and 14/28 litres per minute incoming pressure



A 3/4" ball valve/washing machine valve from a 15/22mm incoming water feed within 1 metre of the pump location

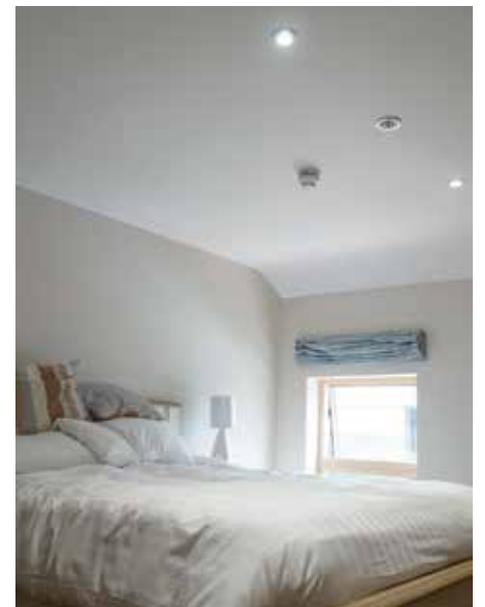
### Electric Supply



A C20/C40 breaker at the breaker board on the Non-RCD protected supply



A 20/40amp rotary switch within 1 metre of the iMist pump location, fed by a cable size recommended by your electrician





# GET IN TOUCH



**London**

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**Edinburgh**

01312 125 045

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**Belfast**

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**Lincolnshire**

01406 321 001

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WWW.IMIST.COM

# iMIST

We offer CPD's all around the UK to spread knowledge about the iMist system. In these presentations, we will go through the misting systems in detail, including a video of our system activating and suppressing a fire.

At the end of every presentation will be a Q&A, where we will answer any questions you might have about the iMist fire suppression system.

To book your CPD today, head over to our website:  
[www.imist.com/cpd](http://www.imist.com/cpd)



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